DECLASSIFIED E.O. 12065 SECTION 3 NLJ/MMS 03-

To : General Headquarters, Supreme Commander for the Allied Powers.

From : Reparations Agency, Tokyo.

Subject: Application for Additional Authorized Use of Reparations Equipment Filed by Hiroshima Plant, Japan Steel Works Co., Ltd. (Code No. 11-14).

R.A.R. No. 832 (MS) 31 July 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for additional authorized use of 28 sets of reparations equipment now lying idle filed by the Hiroshima Plant, Japan Steel Works Co., Ltd., (Code No. 11-14) including machines with Code No. 11-05 (71)), together with an application of the Ministry of International Trade and Industry, as enclosed herewith.

and Finance Ministry

2. As stated in detail in the explanatory note attached hereto, the said plant has been engaged in the production of mining equipment, industrial machines, etc., with the reconversion permission by SCAP and it now wishes to use additionally 28 sets of reparations equipment as "authorized use" for the purpose of manufacturing the goods based on the current procurement demands.

3. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
a) Application of the Ministry of ~~International Trade & Industry.~~
b) Application of the subject plant.

Incl 1

DECLASSIFIED E.O. 12065 SECTION 3 (b)(1) NND 963

ATTACHED SHEET NO. 1

LIST OF MACHINERY AND EQUIPMENT DESIRED FOR AUTHORIZED USE

Applicant: the Japan Steel Works, Ltd., Hiroshima Works.

Name of Machine	Name of Mfg. Co.	Type and Dimension	Code No.	A.U. or Idle	No. of Item	Remarks
1) Machine Tools						EVALUATION WORK SHEETS
Lathe	National Acme Co.	Automatic screw Max. capacity of collet 50mm	11-14-742	Idle	1	Page 319, item 511
"	Fittler Werkzeug Maschinen Fabrik	Turret Chucking capacity 45mm	745	"	1	Page 57, item 258
"	"	" "	750	"	1	Page 57, item 259
Milling machine	Wanderu Work A.G.	Thread - Max. swing over bed 400mm	1531	"	1	Page 130, item 610
"	Ernest Grob	Thread - Max. swing over bed 550mm	1537	"	1	Page 264, item 232
"	"	" "	1530	"	1	Page 264, item 233
"	Carl Hasse & Wrede G.M.B.H.	Thread - Max. swing dia. 100mm	1572	"	1	Page 233, item 80
"	"	"	1573	"	1	Page 234, item 81
"	Hayashi Kikai Seisakusho	Thread - Max. swing over bed 600mm	1699	"	1	Page 264, item 234
"	"	"	1700	"	1	Page 264, item 235
"	"	"	1701	"	1	Page 264, item 236
"	"	"	1702	"	1	Page 327, item 558
"	"	"	1703	"	1	Page 327, item 559
"	"	"	1704	"	1	Page 327, item 560
Lathe	Miyaha Seiki	Chucking capacity 20mm Turret	11-5(71)-47	"	1	Page 442, item 351
Milling machine	Yukani Jukogyo	Thread - Max. swing over bed 450mm	102	"	1	Page 235, item 237
Lathe	Dai Nihon Keki	Turret - Round bar capacity 47mm	517	"	1	Page 391, item 124
"	"	"	520	"	1	Page 391, item 125
"	"	"	521	"	1	Page 163, item 489

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1) NND 963001

Name of Machine	Name of Mfg. Co.	Type and Dimension	Code No.	A.U. or Idle	No. of Item	Remarks
Lathe	Dai Nihon Koki	Turret - Round bar capacity 47mm	11-5(71)-522	Idle	1	Page 392. item 126
Total 20						
2) Others						
Heat treating furnace	Dengensha	A.C. single phase 27.7 KW Size of heating chamber 250 x 250 x 250	11-14-298	"	1	Page 733. item 1630
Total 1						
GRAND TOTAL 21						

DECLASSIFIED E.O. 12065 SECTION 3 NSC MEMO 11/2/98 NSC

ATTACHED SHEET NO. 1

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant: Takamitsu MINAKAWA

Name of Items	Name of mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
1) Machine Tools						
Cut off machine	Nihon Kosa-Kudo Setsudan	Abrasive Max working size 70mm	11-14-425	Idle	1	A.U. section, page 675, item No. 1264
Grinder	Yumoto Tekkosho	External cylindrical Swing 380mm Center to center 2000mm Dia. & thickness of wheel 760 x 65mm	11-14-440	"	1	Available, integrated facilities section, page 40, item No. 157
Grinder	Tsugami Seisakusho	Thread-External Swing dia. 60mm Center to center 500mm Dia. & thickness of wheel 280 x 10mm	11-14-492	"	1	Available, integrated facilities section, page 42, item No. 168
Shaper	James Archdale Co.	Horizontal Length of stroke 600mm Vertical travel of head 300mm	11-14-1748	"	1	Available, integrated facilities section, page 207, item No. 92
Planer	Okamoto Tekkosho	Double housing Length of width of table 3000 x 1000mm Travel of head 155mm Vertical travel of head 1200mm	11-14-1822	"	1	A.U. section, page 453, item No. 388
Total 5						
2) Industrial Machine						
Boiler	Hamazaki Kogyo K.K.	Vertical Working pressure 6 kg/cm2	11-14-3100	"	1	A.U. section, page 753, item No. 1765
Total 1						
3) Electrical Equipment						
Generator	Mitsubishi	DC motor Capacity 150KW Voltage 500V	11-14-2324	"	1	A.U. section, page 759, item No. 1801
Total 1						
GRAND TOTAL 7						

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

Ex

Application for Movement and Authorized Use of Designated Reparation Machinery and Equipment

Date: 20 November 1950

TO : Ministry of International Trade and Industry

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

ADDRESS: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

1. Name, Code No. and Location of the Plant which intends to use designated reparation machinery and equipment.

Name: The Japan Steel Works Ltd., Hiroshima Works

Code No.: 11-14

Location: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

2. Name, Code No., Category and Location of the Plant where designated reparation machinery and equipment to be used actually exist.

Name: Former Hiro Kokusho (Former Hiro Aircraft Arsenal)

Category: Aircraft

Code No.: 11-6(81)

Location: Hiro-machi, Kure-shi, Hiroshima-ken

11-14 Doc. II

3. List of designated reparation machinery and equipment to be moved and used.

Code No.: 11-6(81)

Name of Item	Name of Mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
1) Miscellaneous Machine Tools						
Moulding Mc.	Kubota Tekkosho	Cap. 650x450x700mm	11-6(81)-1579	Idle	1	page 172 Work sheet
"	"	Cap. 950x500x900mm	11-6(81)-1582	Idle	1	"
"	"	Cap. 600x500x250mm	11-6(81)-1598	Idle	1	"
Total 3						

GRAND TOTAL 3

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

4. Necessity for movement and use of machinery and equipment.

TYPE	NAME OF ITEMS RECEIVED FOR MANUFACTURE	QUANTITY PER MON. (Unit pc.)	PRESENT CAPACITY (Unit pc.)	REMARKS
Moulding Mc.(large)	Automatic coupler	200		
	Wheels for coal trucks	240		
	Clasp for shaft	40	375	Shortage in cap. 305
	General	200		
	TOTAL	680		
Moulding Mc.(medium)	Knuckle for auto. coupler	100		
	Lock for auto. coupler	35		
	Shielding cover (outter)	100	None	Shortage in cap. 735
	" (inner)	100		
	General	400		
	TOTAL	735		
Moulding Mc.(small)	Core for side frame	1000		
	Core for bolster	200		
	Core for coupler for coal truck	800	3000	
	Mouth piece for charging	100		
	General	500		
	TOTAL	2600		

Our present capacity is as of the above. The number of moulding machines we have at present are 1 (one) large type and 2 (two) small type, making it possible for us to consume only half of the orders, moreover, in order to mould one item, we must mould the upper and the lower moulding separately, but when another large type moulding machine is increased it would make it possible to mould it at once, increasing our production efficiency a great deal.

Secondly, our present production to a large extent are specialized on medium size mouldings, and we are moulding it by hand at present, making it very urgent to install the afore-mentioned equipment. We find the afore-mentioned items most applicable to our production, and since it is not in operation, furthermore, in our vicinity where it could be easily transported, we ask for your kind authorization and its installation at the earliest date possible.

T. Minakawa

Takamitsu MINAKAWA, Superintendent
The Japan Steel Works Ltd., Hiroshima Works

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

LETTER OF ASSENT

Date: _____

To : The Ministry of Finance

From : The Japan Steel Works Ltd., Hiroshima Works

Sirs:

I, the undersigned, hereby assent for the custodian of Former Hiro Kokusho arsenal to take burden of the responsibility pertaihg to maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the above arsenal, after the same were moved in Hiroshima Works plant The Japan Steel Works Ltd.

Signed: T. Minakawa

Takamiteu MINAKAWA, Superintendent
The Japan Steel Works Ltd.,
Hiroshima Works

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

Re. Copy

APPLICATION FOR AUTHORIZED USED OF REPARATION MACHINERY AND EQUIPMENT

Date: 28. Octo. 1950

TO : Ministry of International Trade and Industry

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

Address: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

1) Name code No. and Category of Plant:

Name: The Japan Steel Works, Ltd., Hiroshima Works

Code No.: 11-14

Category of Plant: Private Munition Plant

2) Location of Plant:

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

3) Present Production:

Parts for rolling stock, mining equipments, industrial machines, miscellaneous casting and forging.

4) Machinery and Equipment to be used:

As per attached sheet.

5) Necessity for Use:

The boring machines will be used to bore large diesel engine cylinder, high pressure tube, and gas compressor cylinder. At present, we have only one boring machine for such purposes, and by putting the two boring machines into operation, we wish to boost our production efficiency.

We have only one such gear cutter at present in operation, and wish to increase the production of gears for mining equipment by putting it into operation.

We wish to use the two grinders for the finishing of cast steel parts for rolling stock.

We wish to use the three jib cranes as auxiliary to the overhead travelling cranes, and increase our production efficiency for rolling stock which is in urgent need.

MANUFACTURING INDUSTRY FILE 11-14 Sec 2

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

We wish to use the forging machine to forge shafts for rolling stock. We have only two of its kind in operation at present, and is unable to meet the production requested.

We wish to use the furnace for the heat treating of shafts for rolling stock. At present, we have only one of its kind in operation.

Recently, we have received many orders in connection with diesel engine, high pressure tube, air compressor, etc. In order to meet the demand, the above-mentioned machines and equipments are essential.

THE JAPAN STEEL WORKS, LTD.,
HIROSHIMA WORKS

T. Minakawa
TAKAMITSU MINAKAWA
Superintendent

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

ATTACHED SHEET NO. 1

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant: Takamitsu Minakawa

Name of Items	Name of Mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Item	Remarks
1) Machine Tools						
Boring machine	Nomura Seisakusho	Horizontal boring, drilling & milling No. of feed step 8 No. of spindle feed step 24 Dia. of spindle 153mm Travel of spindle 1830mm Dia. of face plate 1400mm Range of saddle travel of column 1800mm Distance spindle to floor plate 1500mm	11-14-1348	Idle	1	Evaluation sheet page 10
"	"	Horizontal boring, drilling & milling No. of feed step 8 No. of spindle feed step 24 Dia. of spindle 127mm Travel of spindle 1270mm Dia. of face plate 550mm Range of saddle travel of column 600mm Distance spindle to floor plate 2400mm	11-14-1343	"	1	Evaluation sheet page 10
Gear cutter	Maekawa Seisakusho	Straight bevel generator pitch dia. max. 300mm Face max. 100mm Module pitch max. 8mm	11-14-1647	"	1	Evaluation sheet page 368
Grinder	Yasuhira Denki Kogu	Stand. & snagging-double Dia. and thickness of wheel 250 x 30mm	11-14-391	"	1	Evaluation sheet page 738
"	Showa Kiko	Stand. & snagging-double Dia. and thickness of wheel 500 x 60mm	11-14-488	"	1	Evaluation sheet page 543

Total 5

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

Name of Items	Name of Mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Item	Remarks
2) Industrial Machine						
Crane	Nihon Seikosho	Jib-Hand Capacity M.T. 1 ton Height of lift 2m Length of boom 2.5m	11-14-2069	Idle	1	Evaluation sheet page 674
"	"	Jib-Hand Capacity M.T. 1 ton Height of lift 2m Length of boom 4m	11-14-2083	"	1	Evaluation sheet page 674
"	"	Jib-Hand Capacity M.T. 1 ton Height of lift 2m Length of boom 2m	11-14-2085	"	1	Evaluation sheet page 674
Forging Machine	"	Hammer-Steam Falling weight 1000kg. Steam pressure 7kg/cm2 Cylinder size 380mm Stroke 965mm	11-14-518	"	1	Evaluation sheet page 705
Heat Treating Furnace	"	Coal-Annealing Size of heating chamber 5700 x 1500 x 1630mm	11-14-294	"	1	Evaluation sheet page 721

Total 5

GRAND TOTAL 10

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

Date 26 June 1946

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

TO : THE JARRN 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 Driective 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. Thsi report will be delivered to this Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

MURRARY H. ELLIS
Colonel, Cav.
SMGO

Info Copy to:
SCAP (attn: ESS) (1)
CG Eighth Army (1)
Central Liaison Office (1)
(Imp. Japa. 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 HEAD-QUARTERS 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 fof electric locomotive	500 sets
Flour mixer	50
Cream separator	50
Farm implements	500 sets
Household applicances	100
Accesseries for furniture	10,000
Industrial machine	50
Miscellaneous casting and forging	50 tons

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

(C O P Y)

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. VAUGHAM
Chief, Industry Division

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

Copy

APPLICATION FOR MOVEMENT AND AUTHORIZED USE OF
DESIGNATED REPARATION MACHINERY AND EQUIPMENT.

Date: 15th Sept., 1950.

To : Minister Shigemi Yokoo,
Commerce & Industry Ministry.

From : Mitsui Shipbuilding & Engineering Co., Ltd.,
1, 2-chome Nihonbashi Muromachi, Chuo-ku, Tokyo.

1) Name (Code No.) and location of the plant which intends to use designated reparation machinery and equipment:

Name: Mitsui Shipbuilding & Engineering Co., Ltd.,
Tamano Works.

Location: 10, Tama, Tamano City, Okayama Prefecture.
(Tel: 10 Tamano)

2) Name (Code No. Category) and location of the plant where designated reparation machinery and equipment to be used actually exist:

Name: Japan Steel Works, Ltd.
(Code No. 11-14)

Location: 2186, Irikawa, Funakoshi Town, Hiroshima Prefecture.

MANUFACTURING AND INDUSTRY
FILE 11-14
Sec. II

3) List of designated reparation machinery and equipment to be moved and used:

Name of items	Type & dimension	Inventory No.	Operation or idle	Name of mfg. co.	Remarks
Lathe	30 ft.	11-14-1364	Idle	Sekisan Seico Co., Ltd.	No electric motor
"	12 ft.	11-14-688	"	Shoun Mfg. Co., Ltd.	10 HP electric motor attached
"	10 ft.	11-14-811	"	Ikegai Iron Works Co., Ltd.	No electric motor
"	9 ft.	11-14-1027	"	Lodge Co.	"
"	8 ft.	11-14-715	"	Magdeburg Co.	"
"	8 ft.	11-14-1331	"	Ikegai Iron Works Co., Ltd.	"

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

4) Necessity for movement and use of machinery and equipment ~~signed by the president~~:

(i) We desire your authorization for lease and use of the reparation machine tools as mentioned above to replace the superannuated worn out old machines which are not fit for use in the machine shop of engine repairing section (engaged in ship repairing works and equipment works of new shipbuilding of our plant).

Machine tools it replace	Purchased in (years used)	Remarks
Lathe (large type) 30 ft.	1919 (33 years)	All driven by belt.
" (medium type) 12 "	" (")	
" (small type) 10 "	" (")	
" (") 9 "	" (")	
" (") 8 "	" (")	

(ii) At present, various machines in this shop are driven by counter-shaft operated by a large motor. However, if the use of reparation machines as attached sheet are officially granted the above system shall be changed to direct drive system with motor. The following shows the merits which can be obtained from the latter system:

(a) General saving of electricity--Saving of power loss from counter-shaft drive system.

(b) Especially, the time of delivery of products becomes a pressing question in works of ship-repairing and new shipbuilding, and requires few machines to operate for overtime works including midnight overtime works. On this case, according to our "belt drive system," the large motor should be driven for the operation of only few machine tools. Consequently, this operation increases 'the power loss' which can be eliminated by adopting the direct drive system.

(c) It is possible to improve the efficiency of works and accuracy of products by high speed cutting with new powerful machine tools operated by the direct drive motor.

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

As above mentioned reason, we beg hereby to apply for permission of "Removal and Authorized Use" of this reparation machine tools.

MITSUI SHIPBUILDING &
ENGINEERING CO., LTD.

S. Tanaka

S. Tanaka,
Senior Managing Director,
Chief of Tamano Works.

Attached Documents:

(a) Agreement of custodian, owner (the president of company)

(b) Approval of the applicant, concerning responsibility of custody for the designated reparation machinery and equipment.

(c) List of the desired reparation machine tools

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

LETTER OF ASSENT

Date 1950

TO: The Ministry of International Trade and Industry

FROM: Japan Steel Works, Limited (current user) dustodian of

Hiroshima Works, Japan Steel Works, Limited

Sirs:

We, hereby, assent to rent the reparation designated machinery and equipment, list of which is attached to the application herein, belong to Hiroshima Plant, Japan Steel Works Limited (Code No. 11-14) and movement of the same to Tamano Plant Mitsui Shipbuilding & Engineering Co., Ltd.

(Signed) T. Minakawa

Takamitsu MINAKAWA
Custodian of Hiroshima Plant
Japan Steel Works, Ltd. (Code No. 11-14)

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

LETTER OF ASSENT

To : The Ministry of Transportation

From : Mitsui Shipbuilding & Engineering Co., Ltd.

Sirs:

I, the undersigned, hereby assent for the Custodian of Hiroshima Works, Japan Steel Works Limited to take the fixed responsibility for maintenance of the reparation designated machinery and equipment, list of which is attached to the application, after the same machinery and equipment are moved into Tamano Works, Mitsui Shipbuilding & Engineering Co., Ltd.

S. Tanaka

S. Tanaka,
Senior Managing Director,
Mitsui Shipbuilding and
Engineering Co., Ltd.

DECLASSIFIED E.O. 12033 SECTION 3 402/NNBS NO:

LETTER OF ASSENT

To : The Ministry of Transportation

From : Mitsui Shipbuilding & Engineering Co., Ltd.

Sirs:

I, the undersigned, hereby assent for the Custodian of Hiroshima Works, Japan Steel Works Limited to take the fixed responsibility for maintenance of the reparation designated machinery and equipment, list of which is attached to the application, after the same machinery and equipment are moved into Tamano Works, Mitsui Shipbuilding & Engineering Co., Ltd.

S. Tanaka

S. Tanaka,
Senior Managing Director,
Mitsui Shipbuilding and
Engineering Co., Ltd.

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Name of items	Name of Mfg.Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe	Shoun Seisakusho Co., Ltd.	Gap Swing over bed 600mm Swing over carriage 400mm Swing over gap 1200mm Distance between center 900mm Bed length 3600mm	11-14-688	Idle	1	Evaluation. sheet page 56, item No. 254 10 HP electric motor attached
Lathe	Magdeburg Co., Ltd.	Engine Swing over bed 500mm Swing over carriage 400mm Distance between center 1000mm Bed length 2500mm	11-14-715	Idle	1	Evaluation sheet page 109, item No. 520 No electric motor attached
Lathe	Ikegai Tekkosho Co., Ltd.	Engine Swing over bed 520mm Swing over carriage 360mm Distance between center 1500mm Bed length	11-14-811	Idle	1	Evaluation sheet page 59, item No. 269 No electric motor attached
Lathe	Lodge Co., Ltd.	Engine Swing over bed 570mm Swing over carriage 380mm Distance between center 1350mm Bed length 2700mm	11-14-1027	Idle	1	Evaluation sheet page 110, item No. 527 No electric motor attached

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NND

Name of Items	Name of Mfg.Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Lathe	Ikegai Tekkosho Co., Ltd.	Engine Swing over bed 460mm Swing over carriage 280mm Distance between center 1000mm Bed length 2500mm	11-14-1331	Idle	1	Evaluation sheet page 76, item No. 343 No electric motor attached
Lathe	Sokisan Seiko Co , Ltd.	Engine Swing over bed 1040mm Swing over carriage 620mm Distance between center 5700mm Bed length 9000mm	11-14-1367	Idle	1	Evaluation sheet page 199, item No. 67 No electric motor attached

Total: 6

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

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

Copy

Application for Movement and Authorized Use
of Designated Reparation
Machinery and Equipment

Date: 24 July 1950

TO : Ministry of International Trade and Industry

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

Address: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

1) Name, Code No. and Location of the Plant which intends to use designated reparation machinery and equipment.

Name of Plant: The Japan Steel Works, Ltd., Hiroshima Works

Code No.: 11-14

Location: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

2) Name, Code No., Category and Location of the Plant where designated reparation machinery and equipment to be used actually exist.

Name of Plant: Pine Sewing Machine Manufacturing Co.
(Former Japan Steel Works, Ltd., Utsunomiya Works)

Code No.: 38-17

Category: Private/Munition Plant

Location: Kamihirade, Hiraishi-mura, Kochi-gun, Tochigi-ken

MANUFACTURING AND INDUSTRY
FILE 11-14 Sec 71

3) List of designated reparation machinery and equipment to be moved and used.

As per the attached

4) Necessity for movement and use of machinery and equipment.

As you may already know, the price of the consumption of electricity in the Chugoku region is the second highest in Japan. In order to cope with the present situation, we have tried various methods in finding adquate measures. As a result, we find that by utilizing the above-mentioned items we could cut down our electric power consumption to a great extent, furthermore, by utilizing the items we are able to get discount in our payment for the electric power consumption thereby

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

being a benefit to both the consumer and the supplier. We may also say that taking such measures are greatly encouraged by the supplier in this region.

T. Minakawa

Takamitsu MINAKAWA, Superintendent of
the Japan Steel Works, Ltd., Hiroshima Works

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

LIST OF EQUIPMENT REQUESTED FOR AUTHORIZED USE

PAGE NO.	ITEM NO.	INVENTORY NO.	NAME OF EQUIPMENT	OPERATING DIMENSION	A.U. OR DEAD STORAGE	MAKER	NO. OF ITEM	REMARKS
39	18	38-17-1277	Condencer	Out-door type Capacity 100KVA, 3 phase, 50 cycles, 3,300V	Dead Storage	Shibaura Denki	1	Evaluation Work Sheet P. 39
39	19	1278	"	"	"	"	1	
39	20	1279	"	"	"	"	1	

TOTAL 3

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

LETTER OF ASSENT

Date: 7 July 1950

TO : Minister of International Trade and Industry.
FROM : Custodian of Pine Sewing Machine Manufacturing Co.,

Sirs,

We hereby assent to rent the reparation designated machinery and equipment, list of which is attached to the application herein, belong to Pine Sewing Machine Manufacturing Co., (Code No. 38-17) and movement of the same to Hiroshima Seisakusho, K.K. Nihon Seikosho.

Yuzo Takada.
Custodian of Pine Sewing Machine Manufacturing Co.,

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

LETTER OF ASSENT

Date: 24 July 1950

TO : The Ministry of International Trade and Industry

FROM: The Japan Steel Works, Ltd., Hiroshima Works

Sirs:

I, the undersigned, hereby assent for the custodian of Utsunomiya Plant Pine Sewing Machine Manufacturing Co., (Code No. 11-14) to take the fixed responsibility for maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the above Plant, after the same were moved into Hiroshima Plant, The Japan Steel Works, Ltd.

(Signed)

T. Minakawa

Takamitsu MINAKAWA, Superintendent
Custodian of Hiroshima Works, The Japan Steel Works, Ltd.

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

Copy

APPLICATION FOR AUTHORIZED USE OF REPARATION MACHINERY AND EQUIPMENT

Date: 15 June 1950

TO: Ministry of International Trade and Industry

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

Address: 2166 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken.

1) Name Code No. and Category of Plant:

Name: The Japan Steel Works, Ltd., Hiroshima Works

Code No: 11-14

Category of Plant: Private Amition Plant

2) Location of Plant:

2166 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

3) Present Production:

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

4) Machinery and Equipment to be used:

As per attached sheet.

5) Necessity for Use:

The DC generator will be required around in the latter part of July for the testing of our product, a root's blower which will be one of our current products

The cut off machine will be used in cutting round bar materials which at present cut with acetylene gas. By using the cut off machine it will be much more economical.

The thread external grinder will be used for the finishing of threading, the product of which has increased recently, and also in making of patterns where precision is required.

The shaper will be used in finishing of frame for compressor, and by using the shaper it will give much more efficiency in finishing product of such kind.

The planer will be used in scarfing of ingots. During the past

MANUFACTURING INDUSTRY FILE 11-14 Sec II

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

we depended upon the machine shop. but recently, we have install two planers with one employee to operate it near our forge shop. and moreover, found that another planer could be operated also. By operating three planers at once it will speeden up the production extensively.

The boiler will be used to give hot water bath to employees working in the foundry and metal plate shop.

The maximum capacity of our present grinder is 1,000mm, but recently orders are coming in where larger capacity is required in finishing our products.

THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS

T. Minakawa

Takamitsu MINAKAWA, Superintendent

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

ATTACHED SHEET NO. 1

LIST OF THE REQUIRED EVACUATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant: Takamitsu MIYAKAWA

Name of Items	Name of mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
1) Machine Tools						
Cut off machine	Nihon Kosa-Abrasive Kudo Setsudan Mac. working size 70mm		11-14-425	Idle	1	A.U. section, page 675. item No. 1264
Grinder	Yamato Tekkosho	External cylindrical-Plain Swing 380mm Center to center 800mm Dia. & thickness of wheel 760 x 65mm	11-14-440	"	1	Available, integrated facilities section. page 40. item No. 157
Grinder	Tsugami Seisakusho	Thread-External Swing dia. 60mm Center to center 500mm Dia. & thickness of wheel 280 x 10mm	11-14-492	"	1	Available, integrated facilities section, page 42 item No. 168
Shaper	James Archdale Co.	Horizontal Length of stroke 600mm Vertical travel of head 300mm	11-14-1748	"	1	Available, integrated facilities section, page 207. item No. 92
planer	Okamoto Tekkosho	Double housing Length of width of table 3000 x 1000mm Travel of head 155mm Vertical travel of head 1200mm	11-14-1822	"	1	A.U. section, page 453. item No. 388
Total 5						
2) Industrial machine						
Boiler	Hamazaki zogyo K.K.	Vertical Working pressure 6 kg/cm2	11-14-3100	"	1	A.U. section, page 753. item No. 1763
Total 1						
3) Electrical Equipment						
Generator	Mitsubishi	DC motor Capacity 150kw Voltage 500V	11-14-2324	"	1	A.U. section, page 759. item No. 1801
Total 1						
GRAND TOTAL 7						

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

HEADQUARTERS
CHUGOKU CIVIL AFFAIRS REGION
ECONOMICS SECTION

9 August 1950

TELEPHONE EXTRACT -

Telecon from Maj Freeman, CAS/SCAP to Mr Keisel, CCAR, 1000 hours, 9 August 1950:

The Nippon Steel Co at Hiroshima is authorized by SCAP to place twenty (20) additional items of reparation equipment in use in order to fulfill contract for special nuts to be delivered to the US Army. These items will be placed back in dead storage after completion of contract.

PLANT FILE 11-17

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

CHUGOKU

INFORMATION:

O.D. //

JUL. 28. 1950

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

WT/MMH/RAS/bd
27 July 1950

387.6(27 Jul 50)ESS/IND

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Authorized Use of Items Listed for Reparations

1. Reference is attached R.A.R. No. 569 (MS), 9 June 1950, subject: Application for Authorized Use of Reparations Equipment filed by HiroshimaSeisakusho K.K. Nihon Seikosho (Code No. 11-14).

2. The application requesting permission for the authorized use of the 867 items of reparations machinery and equipment currently in temporary operation and listed in reference 1, above, is approved.

3. This permit is issued subject to any and all directives affecting 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:

MAURICE M. CLASS
Chief, Industry Division

1 Incl
as indicated

Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:

The above ltr is self-explanatory.

M. M. C.

Mr. R. A. Steele
26-6552

CA SEC

MANUFACTURING AND INDUSTRY
FILE 11-14 Sec II

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

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Authorized Use of Reparations Equipment filed by Hiroshima Seisakusho K.K. Nihon Seikosho (Code No. 11-14)

R.A.R. No. 569 (MS) 9 June 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for authorized use of 867 sets of reparations equipment now in "temporary operation" filed by the Hiroshima Seisakusho K.K. Nihon Seikosho (Code No. 11-14), reparations equipment marked with 11-05 (71) and 11-06 (71) also being located therein, together with an application of the Ministry of International Trade and Industry, as enclosed herewith.

2. As stated in detail in the explanatory note attached hereto, the said 867 sets of reparations equipment have been utilized for the production of parts for rolling stocks, mining equipment with the permission of "temporary operation" by the Hiroshima Civil Affairs Team, and it is now desired that these equipment be placed into formal "authorized use" by your Headquarters.

3. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
a. Application of the Ministry of International Trade & Industry.
b. Application of the subject plant.

Incl 1

CAS Sec.

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

CODE NUMBER _ NAME OF [illegible]

11-14-903	Boring machine	Horizontal	Dia. of spindle	Travel of spindle	
			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
152	"	"	"		1225mm
232	"	"	"		1525mm
233	"	"	"		1525mm
245	"	"	"		1525mm
178	"	Upright	Swing		380mm
179	"	"	"		380mm
252	"	Sensitive	"		360mm
253	"	"	"		360mm
1486	Gear cutting machine	Straight bevel gear generator	Pitch dia.	max.	550mm
1518	"	"	"	max.	500mm
1521	Gear hobbing machine	Vertical	"	max.	1200mm
1589	"	"	"	max.	600mm
1670	"	"	"	max.	1000mm
1688	Gear shaping machine	Spur	"	max.	600mm
1705	Gear hobbing machine	Vertical	"	max.	600mm
1706	"	"	"	max.	260mm
1707	"	"	"	max.	260mm
1710	"	"	"	max.	120mm
1711	Gear shaping machine	Spur	"	max.	200mm
1712	"	"	"	max.	200mm
1714	Gear hobbing machine	Vertical	"	max.	850mm
1718	"	"	"	max.	120mm
1719	"	"	"	max.	1200mm
375	Gear tooth grinder	Spur & helical	"	max.	340mm
388	Grinder	Universal tool & cutter	Swing	center to center	
			220	x	350mm
413	"	"	150	x	800mm
376	"	Double head	Dia. of wheel		300mm
454	"	"	"		300mm
482	"	"	"		480mm
691	Lathe	Engine	Swing	dist. between centers	
			440	x	1500mm
713	"	"	580	x	1500mm
718	"	"	500	x	2000mm
719	"	"	500	x	2000mm
720	"	"	370	x	500mm
722	"	"	370	x	500mm
806	"	"	610	x	2400mm
809	"	"	440	x	1500mm
815	"	"	460	x	1000mm
816	"	"	460	x	1000mm
885	"	"	500	x	2000mm
886	"	"	500	x	2000mm

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

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	x	1250mm	
			Over gap	660			
1298	"	"	Over bed	435	x	1250mm	
			Over gap	660			
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	"	"	"				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

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

CODE NUMBER	NAME OF M. C. TOOL						
1-14-1734	Planer	Double housing	Max. length	4000	x width 850	x height	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.		15KW
2126	"	"	Capacity		300 amp.		15KW
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	"	"	"	14.8m3/min.	"		7kg/cm2
84	Crane	Overhead bridge	Lifting capacity				15 ton
85	"	"	"				10 ton
87	"	"	"				5 ton
89	"	"	"				15 ton
2364	Transformer	Out-door	Capacity	150 KVA	single phase		
2365	"	"	"	150 KVA	"		
2366	"	"	"	150 KVA	"		
2464	"	"	"	50 KVA	"		
909	Boring machine	Horizontal	Dia. of spindle	89	x Travel of spindle		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

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

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DEMENSION		
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	
~~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 x	1090mm
			Over gap	730	
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	"				

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

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 ---
1518	"	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	300	x 450mm
1629	"	"		700	x	250	x 380mm
1632	"	"		700	x	300	x 450mm
1634	"	"		700	x	250	x 380mm
1636	"	"		700	x	250	x 380mm
1650	"	Vertical bed type		1520	x	980	x ---
1665	"	Vertical,		865	x	370	x 355mm
1488	"	Universal		625	x	220	x 600mm
1489	"	"		800	x	200	x 600mm
1490	"	"		700	x	270	x 430mm
1570	"	"		700	x	250	x 400mm
1652	"	"		700	x	300	x 300mm
1693	"	Horizontal		660	x	250	x 430mm
1696	"	"		660	x	250	x 430mm
1627	"	Universal		864	x	368	x 355mm
1676	"	"		860	x	300	x 480mm
1752	Planer	Open side	Max. length	4700	x	width 510	x length 850mm
1782	"	Double housing		3960	x	570	x 1220mm
1783	"	"		3960	x	570	x 1220mm
1793	"	"		3650	x	2030	x 1830mm
1795	"	"		5700	x	700	x 1350mm
1773	Shaper	Horizontal	Length of stroke				610mm
1838	"	"	"				600mm
11-5(71)-164	"	"	"				610mm
11-14-1799	Slotter	Vertical	"				200mm
1800	"	"	"				200mm
1805	"	"	"				400mm
1830	"	"	"				400mm
1839	"	"	"				300mm
1840	"	"	"				300mm
1856	"	"	"				460mm
1879	"	"	"				230mm

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

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-1930	Sawing machine	Hack	Max. work size	125 x 150mm
	"	"	"	125 x 150mm
1935	"	Bolt threading	"	40mm
1983	Screw machine	Arc	Capacity 250 amp.	22KW
2155	Welding machine	"	" 250 amp.	22KW
2156	"	Air	Capacity 0.694m3/min. Pres. 50kg/cm2	
1	Compressor	Overhead trolley	Lifting capacity	5 ton
56	Crane	"	"	5 ton
67	"	AC	25HP	220V
2296	Motor	Cut-door	Capacity 50KVA	single phase
2453	Transformer	Horizontal	Dia. of spindle	travel of spindle
647	Boring machine		90 x	1000mm
	"	"	90 x	1200mm
911	"	"	85 x	700mm
1087	"	"	85 x	700mm
1088	"	"	80 x	700mm
1089	"	"	90 x	1000mm
1185	"	"	90 x	1500mm
1224	"	"	12ϕ x	1270mm
1344	"	Turning mill	Swing dia. 1250mm	Max. height of work 1000mm
1208	"	"	" 3500mm	" 2301mm
		"	" 2550mm	" 1800mm
1285	"	"	Length of working surfave	400mm
1327	"		Max. dist. spindle center to column	1500mm
2011	Oil groover	Radial	"	1500mm
127	Drilling machine	"	"	1500mm
131	"	"	"	1250mm
132	"	"	"	1500mm
145	"	"	"	1500mm
148	"	"	"	360mm
153	"	Bench	Swing	380mm
163	"	Upright	"	380mm
180	"	"	"	380mm
181	"	"	"	380mm
219	"	"	"	
221	"	Radial	Max. dist. spindle center to column	1500mm
234	"	"	"	1600mm
236	"	"		center to center
342	Grinding machine	Universal tool & cutter	Swing 120 x	270mm
		Double head	Dia. of wheel	460mm
381	"			center to center
390	"	Universal tool & cutter	Swing 220 x	370mm
		Double head	Dia. of wheel	360mm
404	"	"	"	360mm
405	"	"	"	150mm
407	"	Engine	Swing dist. between centers	
709	Lathe		1500 x	3000mm
	"	"	580 x	1500mm
714	"	"	570 x	1500mm
717	"	"	440 x	1500mm
724	"	"	440 x	1500mm
725	"	"	440 x	1500mm
810	"	"	460 x	1000mm
817	"	"	800 x	2300mm
828	"			

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

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	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		
1230	"	Engine	Swing	dist. between centers	
			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	1070mm
1498	Milling machine	Vertical bed type	Long. feed 1275	cross feed x 1625	Vert. feed x ---
1529	"	Vertical	865	x 350	x 430mm

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NSJ

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING			
11-14-1532	Milling machine	Vertical	Longti. feed		Cross feed	Vert. feed
			865	x	350	x 430mm
1535	"	Horizontal	350	x	200	x 500mm
1542	"	Vertical	1000	x	280	x 450mm
1544	"	"	1000	x	280	x 450mm
1552	"	Vertical-bed type	1500	x	900	x ---
1561	"	Vertical	1000	x	280	x 450mm
1590	"	"	500	x	160	x 300mm
1591	"	"	500	x	160	x 300mm
1593	"	Universal	865	x	300	x 485
1562	"	Vertical	1000	x	280	x 450mm
1575	"	"	1000	x	280	x 450mm
1580	"	"	1000	x	280	x 450mm
1594	"	Universal	865	x	305	x 485mm
1596	"	"	865	x	305	x 485mm
1602	"	Vertical-bed type	1500	x	900	x ---
1605	"	Vertical	865	x	370	x 355mm
1611	"	Universal	865	x	305	x 485mm
1614	"	Vertical	500	x	160	x 300mm
1616	"	Vertical-bed type	1300	x	400	x ---
1617	"	"	1300	x	400	x ---
1621	"	Vertical	500	x	160	x 300mm
1633	"	"	500	x	160	x 300mm
1661	"	"	865	x	368	x 355mm
~~1667~~ 1667	"	"	865	x	368	x 355mm
1683	"	"	865	x	368	x 355mm
1686	"	"	865	x	368	x 355mm
1721	"	Vertical-bed type	1500	x	900	x ---
1766	Planer	Open side	Max. length		width	height
			3300	x	800	x 800mm
1781	"	"	4000	x	900	x 1200mm
1814	"	Double housing	4000	x	1500	x 1800mm
1859	"	"	5150	x	1200	x 1500mm
1862	"	"	5150	x	1200	x 1500mm
1767	Slotter	Vertical	Length of stroke			500mm
1807	"	"	"			400mm
1831	"	"	"			420mm
1846	"	"	"			200mm
1848	"	"	"			200mm
1849	"	"	"			200mm
1855	"	"	"			460mm
1919	"	"	"			510mm
1925	"	"	"			750mm
1736	Shaper	Horizontal	"			600mm
1774	"	"	"			600mm
1884	"	"	"			600mm
1912	"	"	"			710mm
1936	Sawing machine	Hack	Max. work size		125 x	350mm
1939	"	"	"		150 x	440mm
2105	Welding machine	Arc	Capacity	300 amp.		12KW
2113	"	"	"	300 amp.		15KW
2123	"	"	"	300 amp.		15KW
2124	"	"	"	300 amp.		15KW
2150	"	"	"	300 amp.		26KVA
2131	"	Spot	"			3.5KW

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

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-68	Crane	Overhead trolley	Lifting capacity	10 ton
71	"	"	"	5 ton
72	"	"	"	5 ton
74	"	"	"	5 ton
2479	Transformer	Out-door	Capacity	50 KVA single phase
2003	Broaching machine	Horizontal	Pressure	M.T. 2½
199	Drilling machine	Radial	Max. dist. spindle to column	1070mm
481	Grinder	Surface	Swing 140mm	Tabel 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 / Over gap 1000	x 1500mm
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 trolley	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	Trave 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 snap gauge	Max. width to be ground	170mm
465	"	Universal	Swing 280	Center to center 700mm
466	"	"	" 280	" 700mm
354	"	Surface	Dia. and thickness of wheel	160 x 25mm
		rotary	Table dia.	500mm
478	"	Surface	Dia. and thickness of wheel	160 x 10mm
			Table travel	500mm
11-5(71)-63	"	Centerless	Dia. to be ground	75mm
11-14-355	"	Universal tool & cutter	Swing 260	center to center 500mm
357	"	"	" 55	" 210mm
412	"	Universal	" 300	" 900mm
392	"	Double head	Dia. & thickness of wheel	240 x 25mm
403	"	"	"	350 x 50mm
423	"	"	"	350 x 30mm

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

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 Dist. between centers
			550 x 1050mm
700	"	"	500 x 2000mm
701	"	"	440 x 1000mm
702	"	"	440 x 1000mm
704	"	"	350 x 1000mm
705	"	"	350 x 1000mm
708	"	"	520 x 1050mm
716	"	"	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
1371	"	Engine	Swing Dist. between centers
			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	"	"	" 400mm " 160 x 1100mm
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/NNDS NO: [illegible]

CODE NUMBER	NAME OF MC. & EQUIP	TYPE	OPERATING DIMENSION	
11-14-2000	Mechanical press	Inclinable knuc-le joint	Pressure	5 ton
	"	"	Size of table	460 x 250mm
2001	"	"	"	
2015	"	"	Pressure 10 ton	size of table 500 x 300mm
2016	"	"	"	
2017	"	"	"	
1988	Shearing machine	Nibbling	Max. work dimension	3mm
2998	"	Square shear	"	thick. 2.5 x 900mm L.
2117	Welding machine	Arc	Capacity AC 300 amp.	15KW
2171	Inspection measuring Mc.	Comparator	Max. work dimension scale	2000mm
107	Crane	Overhead bridge	Lifting capacity	3 ton
2390	Transformer	Out-door	Capacity 150 KVA	single phase.
2391	"	"	"	
2392	"	"	"	
649	Boring machine	Turning mill	Swing dia. 6000 max. work	height of 2500mm
				1,990mm
2628	"	Horizontal	Chucking capacity	15000mm
			Length of boring"bar	760mm
2629	"	"	"	13500mm
		Engine	Swing	Dist. between centers
622	Lathe		1500 x	10800mm
	"	"	1820. x	19800mm
646	"	Overhead bridge	Lifting capacity	15 ton
48	Crane	"	"	
49	"	"	"	
50	"	Out-door	Capacity 150 KVA	single phase
2374	Transformer	Overhead bridge	Lifting capacity	60 ton
58	Crane	Out-door	Capacity 100 KVA	single phase
2410	Transformer	"	"	
2411	"	"	"	
2412	"	Heroult type-Arc basic	One charge capacity	3 ton
2206	Furnace-Elec.	"	"	3 ton
2208	"	Acid		1 ton/hr.
2199	Furnace (Koshiki)	Cupola	Melting capacity	½ ton/hr.
2200	"	"	"	90m3/min.
2189	Blower	Turbo	Delivery volumn	0.07kg/cm2
			Deliver pressure	
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	3.5x4.5x3m
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. 11652 SECTION 3 (E)(1)(iii) NSC

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	"	"	"	5 ton
77	"	"	"	20 ton
78	"	"	"	15 ton
79	"	"	"	20 ton
86	"	"	"	10 ton
88	"	"	"	5 ton
96	"	"	"	5 ton
97	"	"	"	5 ton
100	"	"	"	5 ton
104	"	"	"	10 ton
45	"	Hoist	"	1 ton
2044	"	Jib	"	1 ton
2068	"	"	"	2 ton
2070	"	"	"	1 ton
438	Grinder	Double head	Dia. & thickness of wheel	460 x 50mm
114	Drilling machine	Upright	Swing	360mm
2361	Transformer	Out-door	Capacity	150KVA single phase
2362	"	"	"	150KVA single phase
2363	"	"	"	150KVA single phase
2375	"	"	"	150KVA single phase
267	Furnace-Elec.	Annealing	Capacity Max. temp.	Size of heating chamber
			300KVA 900°C	1.7 x 1.8 x 3m
306	" Coal	"		2.3 x 3 x 1.8m
307	"	"		2.3 x 4.5 x 1.8m
90	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 volume	23m3/min
			Delivery pressure	0.07kg/cm2
2089	Welding machine	Arc	Capacity AC 300 amp.	15KW
2090	"	"	" AC 300 amp.	15KW
2095	"	"	" AC 400 amp.	10KW
2099	"	"	" AC 400 amp.	20KW
2104	"	"	" AC 300 amp.	12KW
2119	"	"	" AC 300 amp.	15KW

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

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~~	~~x 1800mm~~
			Swing over gap 1200	
1221	"	"	Swing over bed 650	x 1200mm
			Swing over gap 1120	
1826	Shaper	Horizontal	Length of stroke	600mm
2178	Hardness testing Mc.	Brinnell	Max. load	3000kg.
2318	Motor	AC	Horsepower 15	2207
2381	Transformer	Out-door	Capacity 150 KVA	single phase
2382	"	"	" 150 KVA	single phase
2488	"	"	" 50 KVA	single phase
2489	"	"	" 50 KVA	single phase
2490	"	"	" 50 KVA	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
206	"	Upright	Swing	350mm
2483	Transformer	Out-door	Capacity 50 KVA	single phase
2484	"	"	" 50 KVA	single phase
2228	Wood turning lathe		Swing	500mm
			Max. length of work	1400mm
2229	"	"	Max. length of work 1500mm	swing 525mm
2232	"		" 1400mm	X 520mm
1842	Wood planer	Single head	Size of head dia.	100 x 350mm
1843	"	"	" "	160 x 60 x 500mm
2233	Band saw		Width of saw 25mm dia. of wheel	1000mm
160	Drilling machine	Vertical	Dia. of table	200mm
402	Plane grinder	Single	Dia. & thickness of wheel	220 x 20mm
2227	Disc sander	Vertical	Dia. of disc.	750mm
2323	Motor	AC	Horsepower 7.5	200 - 220V
37	Boiler	Lanchashire	Working pressure 8.4kg/cm2	capacity 1200HP
36	"	"	"	"
29	Compressor	Air	Capacity 14.8m3/min.	pressure 7kg/cm2
30	"	"	"	"
28	"	"	"	"
27	"	"	"	"
18	"	"	"	"
21	"	"	"	"
23	"	"	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS 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 3Phase 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.	Brinnel	Max. load 3000kg.
1949	Pump	Steam driven	Capacity 11000kg/min.
1948	"	"	" 20000kg/min.
2444	Transformer	Out-door	Capacity 75 KVA 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 5 ton
83	Crane	Overhead bridge	Lifting capacity 5 ton
81	"	"	"

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

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 75 KVA single phase
2440	"	"	"
2441	"	"	"
2480	"	"	Capacity 50 KVA single phase
2481	"	"	"
513	Forging machine	Hammer-air	Falling weight 250 kg.
576	Spring winding machine		Max. swing of work stock 635mm
			Max. dia. of work stock 180mm
	Heating furnace	Coal	Size of heating chamber 540x8000x400mm
328	"	"	" 1300x1000x730mm
330	"	"	" 1300x1000x730mm
332	"	"	" 1730x2000x615mm
329	"	Elec. pot	AC 220V 3Phase 16KW Temp. 900°C
279			Size of furnace 350 x 300 x 370mm
			Size of chamber 300 x 750x 250mm
	Heat treating furnace	Coal muffle	" 400 x 1330x 560mm
337	"	Lead bath	
333	Grinder	Double head	Dia. & thickness of wheel 358x38mm
428	"	"	" 509x51mm
470	Pump	Centrifugal	Capacity 150L/min. pressure 31kg/cm2
1965	Spring testing	Tension & compression	Max. working stress 30,000 kg.
2182	Manual press	Hand screw	Max. pressure 2 ton
2029	Transformer	Out-door	Capacity 50KVA Single phase
2467	"	"	"
2468	"	"	"
2469	"	"	"
2470	"	"	"
2471	"	"	"
2472			
338	Heat treating furnace	Electric Resistance	AC 12KW max. temperature 800°C
		Salt bath	Size of heating chamber 260c150x560mm
302	"		AC 20KW max. temperature 1350°C
		"	Size of heating chamber 160x160x160mm
325	"		AC 15KW max. temperature 1350°C
		Electric Resistance	Size of heating chamber 150x150x150mm
300	"	"	AC 20KW max. temperature 600°C
301	"		Size of heating chamber 450750x400mm
			AC 30KW Max. temperature 900°C
327	Melting furnace	High frequency-Induction	Size of heating chamber 700x450x300mm
			AC 35KW melting capacity 18kg/hr.
11-5(71)-479	Heat treating furnace	Electric Resistance	AC 40KW max. temperature 1000°C
		"	Size of heating chamber 450x450x1050mm
482	"	Hammer-air	"
			Falling weight 167 kg.
11-14-505	Forging machine	Elec.-Automatic	AC 70 amp. 8 KVA
2086	Welding machine	Hydrogen	
		Elec.-Arc	AC 300 amp. 10 KVA
2116	"	Abrasive	Max. work size dia. 35mm
396	Cut-off machine		" 250 x 350mm
1937	Sawing machine	Single head	Dia. & thickness of wheel 500x40mm
356	Grinder	Double head	" 350x50mm
427	"	"	" 250x30mm
436	"	"	" 250x33mm
484	"	"	" 150 kg.
2181	Hardness testing	Rockwell	Load

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

11-14-1513	Milling machine	Vertical	Longitu. feed Cross feed Vert. feed 700 x 350 x 300mm
2192	Blower	Impeller	Delivery volume 23m3/min. delivery pressure 0.07kg/cm2
2321	Motor	AC	10 HP 200 - 220V
2393	Transformer	Out-door	Capacity 150 KVA Single phase
2400	"	"	" 100 KVA "
2401	"	"	" 100 KVA "
2402	"	"	" 100 KVA "
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 bridge	Capacity 3 ton
82	"	"	" 5 ton
139	Drilling machine	Upright	Drilling capacity dia. 50x 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 Thickness of work stock 20mm
1985	Shearing & punching Mc.	Combination	Width of work stock 340mm Thickness of work stock 80mm Punching stroke 200mm :Pressure 50 ton
1989	Mechanical press	Friction	Bending of pipe dia. 38 x thick. 3mm
1990	Bending machine	Coil. bending roll	
1992	Mechanical press	Vertical	Pressure 100 ton
2002	"	"	" 50 ton
2004	"	"	" 300 ton
2010	Bending machine	Plate roll	Width of work stock 2000 mm Thickness of work stock 6 mm
2021	Mechanical press	Friction	Pressure 150 ton
2022	Shearing machine	Square shear	Width of work stock 2000 mm Thickness of work stock 12 mm
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 3 402/MISC NSC

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	220 - 200V
2404	Transformer	Out-door	Capacity 100KVA	single phase
2405	"	"	"	
2406	"	"	"	
2459	"	"	Capacity 75KVA	single phase
2437	"	"	"	
2438	"	"	Capacity 50KVA	single phase
2460	"	"	"	
2461	"	"	"	
2462	"	"	"	
2463	"	"	"	
2326	Generator-motor		Capacity 350KW voltage 220,440V	
2328	Motor	Induction	Capacity 500 HP	
2327	Generator-motor		Capacity 350KW voltage 220,440V	
2329	Motor	Induction	Capacity 500 HP	
2506	Switch gear	Indoor panel-Vert.	DC 440V Current 800 amp.	
2507	"	"	" Current 1000 amp.	
2508	"	"	" 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) O.C.B. 3300V Current 600 amp.	
2330	Transformer	Out-door	Capacity 2100KVA	Phase single
2331	"	"	"	
2332	"	"	"	
2333	"	"	Capacity 700KVA	Phase single
2337	"	"	"	
2338	"	"	"	
2339	"	"	"	
2340	"	"	"	
2266	Switch gear	Indoor panel	O.C.B. 22000V	400 amp.
			" 3300V	1500 amp.
			" 3300V	300 amp.
2267	"	"	O.C.B. 3300V	600 amp.
			" 3300V	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/NNSC 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.
2505	"	"	O.C.B.	3300V	600 amp.
			"	3300V	300 amp.
2478	Transformer	Out-door	Capacity	50 KVA	single phase
2184	Hardness tester	Rockwell	Max. load and scale		100 kg. load B scale
				100	
					100 kg. 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 porperty Testing machine	Universal	Max. working stress		50,000 kg.
2169	Pressure tester		Measuring range		0-85kg/cm2
2170	"	Vacuum	"		0-760mm atmosphere
2180	Hardness tester	Brinnell	Max. load 3000 kg. stroke		350mm
2258	Plating apparatus		Input AC 220V 3 Phase 62.5KVA		
			Out-put 300 amp. 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		Dia. of circular saw		350mm
2240	"	Double	"		Upper 140 lower 180mm
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-locomotive	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	Transformer	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 867

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

GPA Form 1
(4-46)

PROCUREMENT DEMAND
On Imperial Japanese Government

Account Code (If Applicable to all Items): See Below Demand No. JPNB 1568
(Read Instructions on Back of this Form)

Item No.	Specific Description of Items Desired	Unit	Quantity
1.	PAC 0108-1-094-416-08 H014-05-37810 NUT, cap., S., cd or zn-pltd., 3/4 -16NF-2 (left inner) A-4996 (SRN 240 and 2409). Unit Price ¥84.98. Total Price ¥8,498,000.	ea	100,000
2.	H014-05-37809 NUT, cap., S., cd or zn-pltd., 1 1/8-16NF-3 (ring inner) A-4995 (SRN 239 and 2408). Unit Price ¥76.38. Total Price ¥7,638,000.	ea	100,000

Note: All items not specifically covered by drawings and specifications shall be packed as to be resistant to corresion and deterioration in storage for approximately a twelve month period. All items are to be packed separately in strongly constructed containers; for wooden boxes, 100 lb. gross weight; for carton containers, 50 lb. gross weight. Cross wise banding is required on all containers of 50 lb. or more gross weight.
Authorized band iron for use on these boxes will be .035 x 1/2" or as otherwise approved. Boxes and cartons shall be marked plainly on two sides, or ends, showing quantity, monenclature, stock no., and P.D.No. Approximately 5% of each delivery will be inspected by Inspection Section at point of delivery before GPA 2 is signed. High precision items such as gears, pistons, piston rings and

TG (See reverse side)

(Detach Along this Line for Additional Pages)

Suggested Source: Japan Steel Works Co., Ltd. #5,Tori 2-chome, Nihonbashi, Chuo-ku, Tokyo

(Japanese Delivery)

Authority for Restricted Item:

Delivery Required: 50% 15 August 1950
50% 31 August 1950

Ship By: Optional

Deliver To: Receiving Officer, Tokyo Engineering Works, Ota-ku, Tokyo.

Requested By:

Approved By: Commanding Officer, 229th Ordnance Base Dept, Kanagawa.

Remarks and Instructions: Per Ord c/s dtd 5 June '50 (864209) & Proc 138-A-OD-36-50 f/w JPNB 1564.

(Space for Mil Govt. Unit Preparing and Forwarding Demand to Another Mil. Govt. Unit)

Subj: Procurement Demand for work at Nippon Seikosho. 11 July 50

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

_____Mil. Govt. Hq. & Hq Co._____ Typed: _____
Prefecture Mil. Govt. Officer Rank Branch

(Space for Mil Govt. Unit Processing Demand to Japanese)

Procurement Section Hq 8th Army Japan. Signed: _____
JAPANESE SUPPLIER

Dated: 11 July 1950 Typed: GRANVILLE E. TYSON, Lt. Col., SIGC.

(Space for Japanese Only)

P. D. Recived By: _____
Signature City Prefecture Date

Contract No. TEBA 0175
Tokyo Branch

Yokohama Branch

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

Item No.	Specific Description of Items Desired	Unit Quantity

bearings are to be packed in moisture resistant paper. If more detailed packing instructions are required, contact the Inspection Section at point of delivery. For the purpose of protecting the contractors this Depot encourages the inspection and testing of pilot samples; however, should an item be simple in construction and exact details of drawings and specifications are adhered to, testing and inspecting of pilot samples are not compulsory. When submitting pilot samples for inspecting and approval they will be submitted thru Eighth Army Procurement Section (materials testing branch) with seven photostat copies of original drawings and specifications, also five copies of Proc Form 53, (specifications and sample results). If the contractor who is selected to manufacture the above parts needs any of the raw materials listed below, it is requested he contact the Japanese Ministry of International Trade and Industry for necessary information. Releases for these materials may be secured at Headquarters 229th Ordnance Base Depot.

List of Items

Tin, Antimony, Nickel, Cadmium, Chrome, Copper wire, Calcium Carbonate, Antifriction Alloys, Alephatic Acid, Carbon Black, Industrial Alcohol, denatured, Acetone, Asbestos, Carbide, Leather, including ends and findings, Glue and Gelatin, Cotton, Felt, Tungsten Resin, Crude Oil, Benzine and Paraffin.

FISCAL LIMITATION CLAUSE

Total expenditures made to fulfill the provisions of this procurement demand will be limited to ¥16,136,000.

See attached recipt instructions type A.

TYPE 1258 (continued)

Item No.	Specific description of item Desired	Unit of measure
	Please give me a quotation on the material described below. It is to be packed in waterproof paper. Each piece must be plainly marked with item number and name of material. Please see that all packages are plainly marked with our order number. Please see that all packages are plainly marked with our order number. Please see that all packages are plainly marked with our order number

DECLASSIFIED E.O. 11652 SECTION 3 (E)(1)(B) NLE

CHUGOKU
INFORMATION:
O.D. //
JUL. 27. 1950

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

WT/ABO/MWH/RAS/jtt

387.6(22 Jul 50)ESS/IND

22 July 1950

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Authorized Use of Items Listed for Reparations

1. Reference is attached R.A.R. No. 346(MS), 19 April 1950, subject: Application for Authorized Use of Reparations Equipment Filed by Hiroshima Seisakusho, Nihon Seikosho Co., Ltd. (Code No. 11-14).

2. The application requesting permission for the authorized use of the 537 items of reparations machinery and equipment listed in reference 1, above, is approved.

3. This permit is issued subject to any and all directives affecting 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:

MAURICE M. CLASS
Chief, Industry Division

1 Incl
as indicated.

Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:

The above ltr is self-explanatory.

M. M. C.

Mr. R.A. Steele:
26-6552

CA SEC COPY

MANUFACTURING AND INDUSTRY
FILE 11-14

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

To : General Headquarters, Supreme Commander for the Allied Powers.

From : Reparations Agency, Tokyo.

Subject: Application for Authorized Use of Reparations Equipment Filed by Hiroshima Seisakusho, Nihon Seikosho Co., Ltd; (Code No. 11-14)

R.A.R. No. 346 (MS) 19 April 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for authorized use of 537 sets of reparations equipment now lying idle and in temporary operation filed by the Hiroshima Seisakusho, Nihon Seikosho Co., Ltd. (Code No. 11-14), together with an application of the Ministry of International Trade and Industry as enclosed herewith.

2. As stated in detail in the explanatory note attached hereto, the said plant has been engaged in the production of parts for rolling stocks, mining equipment, industrial machines, etc., with the reconversion permission by GHQ and it now wishes to use additionally 70 sets of idle reparations equipment as "authorized use" in order to increase its new production amount, and at the same time, it is desired that 467 sets of reparations equipment including both the originally inventoried and supplementarily evaluated items, now under "temporary operation" which was permitted by the Hiroshima Civil Affairs Team, be placed into the formal "authorized use" by your Headquarters.

3. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuno)
Director, Reparations Division,
Reparations Agency.

Incls:
a. ~~Application of the Ministry of~~ I.T. & I.
b. Application of the subject plant.

Incl 1

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

LIST OF TEMPORARY USE MACHINES & EQUIPMENTS REQUESTED FOR AUTHORIZED USE

(After evaluation)

OCDE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2518	Microscope	Metallographic	Max. magnification 640	
2642	Motor	AC	1HP	220V
2643	"	"	2CHP	"
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	"	"	"	"
2665	"	"	"	"
2666	"	"	10HP	"
2667	"	"	15HP	"
2668	"	"	15KW	"
3172 (2)	"	"	10HP	"
2674	"	"	3HP	"
2675	"	"	4KW	200V
2676	"	"	5HP	220V
2677	"	"	"	"
2678	"	"	"	"
2679	"	DC	10HP	440V
2680	"	AC	7.5KW	200V
2681	"	"	10HP	220V
2682	"	"	16HP	"
2683	"	"	15HP	"
2685	"	"	25HP	"
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	"

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2699	Motor	AC	5HP	220V
2700	"	"	"	"
2701	"	"	7.5HP	"
2702	"	"	7.5KW	"
2703	"	"	"	200V
2704	"	DC	"	440V
2705	"	AC	10HP	220V
2706	"	"	10KW	"
2707	"	"	10HP	"
2708	"	"	"	"
2709	"	"	10KW	"
2710	"	"	11KW	"
2711	"	DC	15KW	440V
2712	"	AC	15HP	220V
2713	"	"	11KW	200V
2714	"	"	18HP	220V
2715	"	"	25HP	"
2718	"	"	30HP	"
2719	"	"	"	200V
2721	"	"	1HP	220V
2722	"	"	"	"
2723	"	"	"	"
2724	"	"	2HP	200V
2725	"	"	"	220V
2726	"	"	3HP	"
2727	"	"	"	"
2728	"	"	"	"
2729	"	"	"	"
2730	"	"	3.7KW	"
2731	"	"	4HP	220-280V
2732	"	"	5HP	220V
2733	"	"	"	"
2734	"	"	"	"
2735	"	DC	"HP	"
2736	"	"	7HP	"
2737	"	AC	7.5HP	200V
2738	"	"	7.5HP	200V
2739	"	"	"	220V
2740	"	"	"	"
2741	"	"	"	"
2742	"	"	10HP	"
2743	"	"	10HP	"
2745	"	"	"	"
2746	"	"	"	"
2747	"	"	7.5KW	200V
2748	"	"	"	220V
2749	"	"	15HP	"
2750	"	"	"	"
2751	"	"	20HP	"
2752	"	"	25HP	"
2756	"	"	10HP	"

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2757	Motor	AC	10HP	220V
2759	"	"	50HP	440V
2760	"	"	"	220V
2761	"	"	30HP	"
2762	"	"	"	"
2763	"	DC	25HP	440V
2764	"	AC	20HP	220V
2765	"	"	15HP	"
2766	"	"	7.5HP	"
2768	"	"	"	"
2767	"	"	"	"
2769	"	"	"	"
2770	"	"	"	"
2771	"	"	"	"
2772	"	"	"	"
2773	"	"	5HP	"
2774	"	"	"	"
2775	"	"	"	"
2776	"	"	"	"
2777	"	"	"	"
2778	"	"	4HP	"
2779	"	"	1HP	"
2780	"	"	"	200V
2781	"	"	3HP	220V
2783	"	"	7.5HP	"
2784	"	"	10HP	"
2785	"	"	"	"
2895	Transformer	self-cooled pole	30KVA	single phase
2896	"	"	"	"
2897	"	"	"	"
2898	"	"	"	"
2899	"	"	"	"
2900	"	"	"	"
2901	"	"	"	"
2902	"	"	"	"
2903	"	"	"	"
2904	"	"	"	"
2905	"	"	"	"
2906	"	"	"	"
2907	"	Self-cooled out-door	"	"
2908	"	self-cooled pole	"	"
2909	"	"	"	"
2910	"	"	"	"
2911	"	"	"	"
2912	"	"	"	"
2913	"	"	"	"
2914	"	"	"	"
2915	"	"	"	"
2916	"	"	"	"
2917	"	"	"	"

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2918	Transformer	self cooled pole	30KVA	single phase
2919	"	"	"	"
2920	"	"	20KVA	"
2921	"	"	"	"
2922	"	"	"	"
2923	"	"	"	"
2924	"	"	"	"
2925	"	"	"	"
2926	"	"	"	"
2927	"	"	"	"
2928	"	"	"	"
2929	"	"	"	"
2930	"	"	"	"
2931	"	"	"	"
2932	"	"	"	"
2933	"	"	"	"
2934	"	"	"	"
2935	"	"	"	"
2936	"	"	"	"
2937	"	"	"	"
2938	"	"	"	"
2939	"	"	"	"
2940	"	"	"	"
2941	"	"	10KVA	"
2942	"	"	"	"
2943	"	"	"	"
2944	"	"	"	"
2945	"	"	"	"
2946	"	"	"	"
2947	"	"	"	"
2948	"	"	"	"
2949	"	"	"	"
2950	"	"	"	"
2951	"	"	"	"
2952	"	"	"	"
2953	"	"	"	"
2954	"	"	"	"
2955	"	"	"	"
2956	"	"	"	"
2957	"	"	7.5KVA	"
2958	"	"	"	"
2959	"	"	"	"
2960	"	"	5KVA	"
2961	"	"	"	"
2962	"	"	"	"
2963	"	"	4KVA	"
2964	"	"	"	"
2965	"	"	2KVA	"
2978	Switch gear	indoor-panel	instrument	O.C.B. 3000V 100A
2979	"	"	voltage	100-200V 500A

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-2980	Switch gear	indoor panel	voltage 100-200V 500A
2981	"	"	"
2991	"	"	instrument O.C.D. 3300V 100A
2992	"	"	"
2993	"	"	voltage 100-200V 500A
2994	"	"	"
2995	"	"	"
2996	"	"	voltage D.C. 220-440V 500A
2997	"	"	O.C.B. 3300V 100A
2998	"	"	voltage 100-200 500A
2999	"	"	"
3000	"	"	"
3001	"	"	O.C.B. 3300V 100A
3002	"	"	voltage 100-200 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
3174 (2)	"	"	"
3175 (2)	"	"	"
3176 (2)	"	"	instrument O.C.B. 3300V 100A
3177 (2)	"	"	voltage 100-200V 500A
3178 (2)	"	"	"
3179 (2)	"	"	"
3180 (2)	"	"	"
3182 (2)	"	"	instrument O.C.B. 3300V 100A
3183 (2)	"	"	voltage 100-200V 500A
3184 (2)	"	"	"
3185 (2)	"	"	"
3025 (1)	Air compressor	portable	capacity 1.15m^3/min. pressure 14kg/cm^2
3026 (1)	"	"	"
3027 (1)	"	"	capacity 0.05m^3/min. pressure 5kg/cm^2

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-3027 (±)	Air compressor	portable	capacity 0.05m³/min. pressure 5kg/cm²
3031 (±)	"	"	capacity 1.15m³/min. pressure 14kg/cm²
3132	"	"	pressure 1.5kg/cm²
3133	"	"	pressure 5kg/cm²
3028	Blancing machine		weight of testing good 5 kg.
3029	"		"
3023 (±)	Manual press	hand screw	pressure 150 kg.
3024 (±)	"	"	"
3033	"	"	pressure 2 ton
3034	"	"	"
3042	"	"	"
3043	"	"	"
3049	"	"	"
3050	"	"	"
3051	"	"	pressure 2.5 ton
3075	"	"	pressure 2 ton
3076	"	"	"
3077	"	"	"
3078	"	"	"
3083	"	"	"
3088	"	"	"
3089	"	"	pressure 3 ton
3052	Tumbler		inside dia. 460 x 800mm
3053	"		"
3081	"		capacity 1.38m³
3082	"		"
3105	"		inside dia. 480 x 650mm
3054	Moulding machine	jelt & squeeze	size of table 400 x 650mm
3055	"	"	"
3056	"	"	"
3057	"	"	"
3058	"	"	"
3059	"	"	"
3060	Gas producer	acetylene	capacity 750 litre
3062	"	"	capacity 1100 litre
3063	"	"	capacity 780 litre
3064	"	"	capacity 1300 litre
3104	"	"	capacity 750 litre
3134	"	"	height of gas holder 1200mm
3074	Mould drying stove	portable	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
3085	"		30A motor AC 7.5HP 220V capacity AC 0.6KW motor capacity AC 1HP
3104	Blue printing machine		Sumits in breach of printing

DECLASSIFIED E.O. 11652 SECTION 3 (E), NARS NO.

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-3094	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 ton dropping height 10m
3107	Hardness tester	scleroscope	scale 140
3108	"	"	"
3109	"	"	"
3111	"	"	"
3112	"	"	"
3114	"	"	"
3119	Polishing machine		Dia. of spindle 38mm polishing table dia. 200m
3120	Motor vehicle		HP 17.8HP
3121	"		HP 28HP
3122	Tricar		burden 450 kg.
3123	Motor truck		" 4000 kg.
3125	"		" 1500 kg.
3126	"		" 4000 kg.
3127	"		" "
3128	"		" "
3129	Motor fire engine		horse power 25.35HP
3130	"		" "
3131	Fire pump		exhaust pipe $2\frac{1}{2}$" dia. of cylinder 133mm stroke of piston 190mm capacity 20 ton
3135	Car	flat	" "
3136	"	"	" 5 ton
3137	"	"	" "
3138	"	"	" "
3139	"	"	

TOTAL NUMBER OF MACHINES & EQUIPMENTS 319

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

LIST OF TEMPORARY USE MACHINES AND EQUIPMENTS REQUESTED FOR AUTHORIZED USE

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DEIMENSION	
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 spindle	450mm
			spindle to column	270mm
11-14-108	Drilling machine	upright radial	"	1,050mm
126	"	radial	"	1,250mm
134	"	"	drilling capacity in cast iron	10mm
172	"	bench	drilling capacity in steel	10mm
173	"	"	spindle to column	175mm
206	"	sensitive	"	175mm
207	"	"	"	180mm
209	"	"	"	270mm
210	"	upright	"	190mm
220	"	"	"	1,250mm
237	"	radial	"	180mm
239	"	upright	"	180mm
241	"	"	"	260mm
242	"	"		
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. max. between 280 x center	820mm
			wheel dia.	400mm
346	"	standard		
353	"	universal	swing dia. max. between center	820mm
			280 x	410mm
358	"	standard	wheel dia.	
368	"	thread conbination external, internal	dia. of work max. length of work	800mm
			180 x	350mm
	"	standard	wheel dia.	500mm
373	"	"	"	200mm
395	"	stand. bench	"	230mm
419	"	standard	"	350mm
426	"	"	"	
429	"	surface	length of work table	1,650mm
434	"	plain	swing dia.	250mm
435				

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

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-442	Grinding machine	universal	swing dia.	300mm
453	"	"	max. dia. of work	240mm
		tool & cutter		
458	"	standard	wheel dia.	400mm
460	"	surface vertical	dia. of solid table	510mm
461	"	"	"	550mm
473	"	standard	wheel dia.	420mm
490	"	disc	"	660mm
685	Lathe	standard	cneter distance	1,350mm
739	"	turret saddle	round bar capacity	25mm
740	"	"	"	25mm
827	"	gap	center distance	2,300mm
1092	"	light duty standard	"	500mm
1163	"	standard	"	1,000mm
1195	"	"	"	900mm
1202	"	"	"	6,700mm
1203	"	gap	"	775mm
1229	"	standard	"	3,500mm
1303	"	"	"	1,000mm
1315	"	gap	"	3,000mm
11-5(71)-24	"	special turret	round bar capacity	20mm
55	"	"	"	30mm
59	"	standard	center distance	3,100mm
62	"	special turret	round bar capacity	30mm
67	"	surface	capacity of chuck	1,900mm
330	"	light duty hand screw	center distance	400mm
369	"	"	"	550mm
523	"	special turret	round bar capacity	40mm
524	"	"	"	40mm
525	"	"	"	40mm
526	"	"	"	40mm
528	"	"	"	30mm
530	"	"	"	30mm
531	"	"	"	20mm
11-14-1497	Milling machine	vertical	longitudinal travel x	cross travel 890mm
1503	"	"	longitudinal travel 1,500 x	cross travel 750mm
1511	"	"	longitudinal travel 1,600 x	cross travel 1,060mm
1512	"	"	longitudinal travel 1,580 x	cross travel 960mm
1556	"	"	longitudinal travel 1,500 x	cross travel 900mm
1622	"	vertical standard	longitudinal travel 500 x vertical travel	cross travel 160 x 300mm

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

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-1628	Milling machine	vertical standard	longitudinal travel 700 x vertical travel 380mm — cross travel 250 x
1630	"	"	longitudinal travel 700 x vertical travel 380mm — cross travel 250 x
1640	"	"	longitudinal travel 750 x vertical travel 450mm — cross travel 250 x
1643	"	vertical	longitudinal travel 1,500 x — cross travel 900mm
1644	"	"	longitudinal travel 1,500 x — cross travel 900mm
1648	"	"	longitudinal travel 1,500 x — cross travel 900mm
1659	"	vertical standard	longitudinal travel 864 x vertical travel 355mm — cross travel 368
1726	"	vertical	longitudinal travel 1,500 x — cross travel 900mm
2019	"	engraving	table size 400 x 200mm
1727	Planer	double housing	max. width 1,800 x max. height 1,200 x max. length 6,500mm
1765	"	open side	max. width 900 x max. height 800 x max. length 3,000mm
1823	"	double housing	max. width 1,550 x max. height 1,200 x max. length 3,600mm
1863	"	"	max. width 1,050 x max. height 1,050 x max. length 2,400mm
1730	Shaper	horizontal	length of stroke 600mm
1787	Slotter	vertical	" 400mm
1801	"	"	" 400mm
1806	"	"	" 400mm
1809	Shaper	horizontal	" 600mm
1811	"	"	" 200mm
1865	Slotter	vertical	"

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

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-1871	Slotter	vertical	length of stroke 200mm
1903	"	"	" 380mm
1940	Cut off machine	hack	max. work size 200mm x 430mm
~~1942~~	~~Sawing machine~~	~~"~~	~~" 20mm x 200mm~~
11-5(71)-194	Slotter	vertical	length of stroke 400mm max. width 850mm
11-14-1993	Mechanical press	"	pressure 175 ton
2012	Shearing machine	square shear	length of cut 1,660mm thickness of work stock 6mm
2020	Shearing & punching machine	single & double	max. width of work 350mm length of cut 380mm thickness of work stock 25mm
501	Forging machine	steam hammer	kilograms of falling weight 3 ton
2093	Welding machine	elec. arc (AC)	capacity 400 AMP 15KW
2098	"	" (DC)	" 400 AMP 20KW
2103	"	" (AC)	" 300 AMP 12KW
2118	"	" (AC)	" 300 AMP 15KW
2132	"	" (AC)	" 250 AMP 10KW
2159	"	coal (AC)	size of furnace 1,220 x 4,885 x 990mm
268	Heating treating furnace	annealing	max. temperature 250 AMP 22KVA 1,000°C
2343	Transformer	out-door type self-cooled	200 KVA single phase
2346	"	"	"
2347	"	"	"
2351	"	"	"
2356	"	"	"
2407	"	"	100 KVA single phase
2408	"	"	"
2409	"	"	"
2447	"	"	75 KVA single phase
2454	"	"	50 KVA single phase
2455	"	"	"
4	Compressor	single acting (air)	rated delivery pressure 8kg/cm² 50HP rated delivery volumn 5m³/min.
5	"	double acting (air)	rated delivery pressure 8kg/cm² 50HP rated delivery volumn 5m³/min.
6	"	single acting (air)	rated delivery pressure 8kg/cm² 50HP rated delivery volumn 7.312m³/min.
31	"	"	rated delivery pressure 7kg/cm² 50HP rated delivery volumn 7.16m³/min.
1958	Pump	hydraulic power-power driven (water)	rated delivery pressure 250kg/cm²
46	Crane	Over-trolley travel-ling & hoist	rated lifting capacity 10 ton

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

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-60	Crane	over-trolley travelling & hoist	rated lifting capacity	10 ton
63	"	hoist-elec. power	rated lifting capacity	1 ton
			height of lfft	6.5m
93	"	over-trolley travelling & hoist	rated lifting capacity	10 ton
101	"	"	"	5 ton
105	"	hoist-elec. powered	rated lifting capacity	½ ton
			height of lift	6.5m
2041	"	"	"	3 ton
			"	4.5m
2042	"	"	"	3 ton
			"	4.5m
2043	"	"	"	3 ton
			"	4.5m
1945	Casting machine	sand mixer	size of roller 1200 x 290mm depth of pan 550mm	dia. of pan 2150mm
2252	"	"	size of roller 1400 x 330mm depth of pan 580mm	dia. of pan 2100mm
2198	Melting furnace	blast cupola	melting capacity	5 ton/hr.
2203	"	blast crucible furnace	melting capacity	900 kg.
			inside dia.	430 mm
			inside height	1175 mm
2209	"	blast cupola	melting capacity	5 ton/hr.
265	Heating furnace	coal reflecting	size of furnace	1575 x 1675 x 1015mm
266	"	"	size of furnace	1525 x 1525 x 1015mm
285	"	"	size of furnace	1950 x 1550 x 750mm
289	"	"	size of furnace	1830 x 1830 x 1220mm
290	"	"	size of furnace	1305 x 1525 x 1090mm
291	"	"	"	
296	Heat treating furnace	elec. pot	size of furnace	dia. 350 x 700mm
			max. temperature	900°C
457	Wood tool grinding machine	plain grinding Mc.	width planed	700mm
1927	Wood planing Mc.	hard plaining	width planed	250mm
1931	Wood sawing Mc.	circular sawing Mc.	dia. of circular saw	700mm

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

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2238	Wodd sawing Mc.	circular sawing Mc.	dia. of circular saw	300mm
2187	Blower	centrifugal	rated delivery volume	30m³/min.
			rated delivery presume	0.12kg/cm²
2191	"	"	rated delivery volume	37m³/min.
			rated delivery presume	0.07kg/cm²
2194	"	"	rated delivery volume	663m³/min.
			rated delivery presume	0.07kg/cm²

TOTAL NUMBER OF MACHINES & EQUIPMENTS 148

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

LIST OF MACHINES & EQUIPMENTS NEWLY REQUESTED FOR AUTHORIZED USE

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-1079	Boring machine	horizontal	dia. of boring bar	40mm
			traverse of boring bar	2,000mm
1461	"	vertical bor-ing & turn-ing mill	swing dia.	3,000mm
			max. height of work	2,000mm
365	Grinding Mc.	universal tool & cutter	max. dia. of work	260mm
377	"	disc face & stand-bench	wheel dia.	520mm
383	"	"	wheel dia.	305mm
421	"	disc face & stand-stand.	wheel dia.	355mm
450	"	"	wheel dia.	300mm
451	"	"	wheel dia.	220mm
743	Lathe-automatic screw Mc.	multi-spin-dle	bar capacity	50mm
			number of spindle	4
744	Lathe	"	"	"
1452	"	standard	center distance	4,800mm
11-5(71)-3	Lathe - turret	ram type-special	round bar capacity	20mm
11-14-2018	Milling machine	engraving	size of table 400 x 200mm	
1908	Slotter	vertical	length of stroke 600mm	max. width 1,000mm
11-5(71)-17	Centering Mc.	single spin-dle	swing dia. 350mm	size of bar 80mm
			bed length 1,400mm	
196	Slotter	vertical	length of stroke 400mm	max. width 1,000mm
11-14-1980	Hydraulic press	vertical-gen. utility	pressure	10 ton
502	Forging machine	hammer-air	kilogram of falling weight	¾ ton
510	"	"	"	½ ton
280	Heating treating equipment	coal-other-~~annealing~~ quenching	size of furnace 6700 x 1500 x 1050mm	
			max. temperature	1,000°c
281	"	"	"	
331	Heat treating furnace	coal-other-annealing	size of furnace 3700 x 4000 x 1800mm	
2272	Motor	alternating induction	AC	50HP
2290	"	"	AC	30HP
2307	"	"	AC	15HP
2284	"	"	AC	40HP
2376	Transformer	out-door type self cooled	KVA rating	150
2383	"	"	"	
2384	"	"	"	
2385	"	"	"	
2386	"	"	"	
2416	"	"	KVA rating	100

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

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2417	Transformer	out-door type- self cooled	KVA rating	100
2418	"	"	"	"
2426	"	"	KVA rating	75
2430	"	"	"	"
2431	"	"	"	"
2432	"	"	KVA rating	50
2473	"	"	"	"
2474	"	"	"	"
2485	"	"	"	"
2486	"	"	"	"
2487	"	"	"	"
2496	"	"	"	"
19	Compressor	reciprocating-double acting	rated delivery pressure 8kg/cm^2 rated delivery volume 42.6m^3/min	
51	Crane	overhead trolley travel & hoist	rated lifting capacity	25 ton
70	"	"	rated lifting capacity	5 ton
98	"	"	rated lifting capacity	10 ton
2067	"	jib-hand power	rated lifting capacity length of boom	½ ton 4.5m
2246	Cleaning equipment	sand blast	dia. of drum 550mm length of drum 950mm	
2248	"	"	dia. of drum 550mm length of drum 950mm	
269	Heating furnace	elec.-shrinking	size of furnace 1700 dia. x 4000mm max. temperature	450°C
273	"	coal-reflecting	size of furnace 1520 x 1525 x 1015mm	
299	Heat treating furnace	elec.-salt bathe	size of furnace 250 x 250 x 250mm max. temperature	1350°C
313	Heating furnace	coal-refleting [illegible]	size of furnace 1525 x 1220 x 763mm [illegible]	
2186	Blower	root's blower	rated delivery pressure 156m^3/min.	
2193	"	centrifugal (air)	rated delivery pressure 0.2kg/cm^2 rated delivery volume 125m^3/min.	
2195	"	Turbo	rated delivery pressure 0.07kg/cm^2 rated delivery volume 120m^3/min.	

1754 Planer

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSA NSI

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-1764	Planer	double housing	max. width	1800mm
			max. height	1800mm
			max. length	4500mm
1896	"	"	max. width	1500mm
			max. height	1500mm
			max. length	3600mm
509	Forging machinery	steam hammer	kilogram of falling weight	1 ton
2788	Motor		AC	1/6 HP
2793	"		AC	1 HP
2794	"		AC	1 HP
2795	"		AC	1 HP
2796	"		AC	2 HP
2805	"		AC	2 HP
2806	"		AC	3 HP
2819	"		AC	
2894	Transformer	self cooled pole	30 KVA	single phase

TOTAL NUMBER OF MACHINES AND EQUIPMENTS 70

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

Application for Authorized Use of
Reparations Machinery and Equipment

Date: 4 July 50

TO: Ministry of International Trade and Industry

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

Address: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

MANUFACTURING AND INDUSTRY
FILE 11-14
Sec. II

1) Name, Code No. and Category of Plant.

Name: The Japan Steel Works, Ltd., Hiroshima Works

Code No.: 11-14, 11-5(71)

Category: Private Munition Plant

2) Location of Plant.

Location: 2186 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

3) Present Production.

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

4) Machinery and Equipment to be used.

As per the attached sheet.

5) Necessity for Use.

Recently, we were notified by our Head Office in Tokyo that a procurement demand will be issued to our company to manufacture nuts; the quantity of which will be around 200,000. We were instructed by our Head Office that half of the afore-mentioned amount shall be made responsible at our Works. We have some machinery already

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

as Authorized Use for its purpose, but the attached list of machinery and equipment which are in the dead storage plant, and under our custody are required in order to fulfil our responsibility. Moreover, since the dead line is on August 31st, starting around the 20th of July, we earnestly solicit for your special consideration on our present problem in granting us your kind permission, and at the earliest date possible.

Signed: T. Minakawa

Takamitsu MINAKAWA, Superintendent
and Custodian of Hiroshima Works,
Japan Steel Works, Ltd.

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

ATTACHED SHEET NO. 1

LIST OF MACHINERY AND EQUIPMENT DESIRED FOR AUTHORIZED USE

Name of Machine	Name of Mfg. Co.	Type and Dimension	Code No.	A.U. or Idle	No. of Item	Remarks
1) Machine Tools						
Lathe	National Acme Co.	Automatic screw Max. capacity of collet 50mm	11-14-742	Idle	1	Page 319, item 511
"	Pittler Werzeng Maschinen Fabrik	Turret Chucking capacity 45mm	745	"	1	Page 57, item 258
"	"	"	750	"	1	Page 57, item 259
Milling machine	Wanderu Werk A.G.	Thread - Max. swing over bed 400mm	1531	"	1	Page 130, item 610
"	Ernest Grob	Thread - Max. swing over bed 550mm	1537	"	1	Page 264, item 232
"	"	"	1538	"	1	Page 264, item 233
"	Carl Hasse & Wrede G.M.B.H.	Thread - Max. swing dia. 100mm	1572	"	1	Page 233, item 80
"	"	"	1573	"	1	Page 234, item 81
"	Hayashi Kikai Seisakusho	Thread - Max. swing over bed 600mm	1699	"	1	Page 264, item 234
"	"	"	1700	"	1	Page 264, item 235
"	"	"	1701	"	1	Page 264, item 236
"	"	"	1702	"	1	Page 327, item 558
"	"	"	1703	"	1	Page 327, item 559
"	"	"	1704	"	1	Page 327, item 560
Lathe	Hiyatha Seiki	Chucking capacity 20mm Turret	11-5(71)-47	"	1	Page 442, item 351
Milling machine	Yudani Jukogyo	Thread - Max. swing over bed 450mm	102	"	1	Page 265, item 237
Lathe	Dai Nihon Koki	Turret - Round bar capacity 47mm	517	"	1	Page 391, item 124
"	"	"	520	"	1	Page 391, item 125
"	"	"	521	"	1	Page 103, item 489

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

Name of Machine	Name of Mfg. Co.	Type and Dimension	Code No.	A.U. or Idle	No. of Item	Remarks
Lathe	Dai Nihon Koki	Turret - Round bar capacity 47mm	11-5(71)-522	Idle	1	Page 392, item 126
Total 20						
2) Others						
Heat treating furnace	Dengensha	A.C. single phase 27.7 KW Size of heating chamber 250 x 250 x 250	11-14-298	"	1	Page 730, item 1630
Total 1						
GRAND TOTAL 21						

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

APPLICATION FOR MOVEMENT AND AUTHORIZED USE OF DESIGNATED REPARATION MACHINERY AND EQUIPMENT

Date: 15 June 1950

TO : Ministry of Finance

FROM: Superintendent of the Japan Steel Works, Ltd., Hiroshima Works
(K.K. Nihon Seikosho, Hiroshima Seisakusho)

Address: 2166 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

1) Name (Code No.) and Location for the plant which intends to use designated reparation machinery and equipment.

Name of Plant: The Japan Steel Works, Ltd., Hiroshima Works
Code No.: 11-14 (Private Munition Plant)
Location: 2166 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

2) Name (Code No.) and Location of the plant where designated reparation machinery and equipment to be used actually exist.

Name of Plant: Hikari Naval Arsenal
Code No.: 45-4 (Naval Arsenal)
Location: Mitsuj, Hikari-shi, Yamaguchi-ken

3) List of designated reparation machinery and equipment to be moved and used.

Code No.: 45-4

Name of Items	Name of Mfg. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
1) Miscellaneous Machine Tools						
Shearing machine	Tokyo Japan	Cap. T x W 6 x 2250mm Square type	569	Idle	1	Miscellaneous section, page 685, item No. 51, bldg. No. 137
Total 1						

GRAND TOTAL 1

Submitted to this Headquarters on
1 July 50

MANUFACTURING AND INDUSTRY FILE 11-14 Mec. Ii

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

4) Necessity for movement and use of machinery and equipment.

The necessity of movement and use of the above-mentioned shearing machine is that we have recently started to produce the Zulser 2000 HP gas compressor, and the machine is required for the shearing of metal plate parts for the afore-mentioned gas compressor.

(Signed) For the Superintendent

S. Itagaki

Shigeru ITAGAKI, Deputy Superintendent

The Japan Steel Works, Ltd.,
Hiroshima Works

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

LETTER OF ASSENT

Date: 15 June 1950

TO : The Ministry of International Trade and Industry

FROM : The Japan Steel Works, Ltd., Hiroshima Works

1286 Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken.

Sirs:

I, the undersigned, hereby assent for the custodian of Hikari Naval Arsenal (Code No. 45-4) to take the fixed responsibility for maintenance of the government-owned reparation machinery and equipment, list of which is attached to the application herein, under custody of the above Plant, after the same were moved into Hiroshima Plant, the Japan Steel Works, Ltd.

For the Superintendent

S. Itagaki

Shigeru ITAGAKI
Deputy Superintendent,
The Japan Steel Works, Ltd., Hiroshima Works
(Person who desires to use the reparation designated machinery and equipment.)

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

民事3P

Copy

Application for Movement and Authorized Use of
Designated Reparation Machinery and Equipment

Date: 24 April 1950

TO : Ministry of International Trade and Industry

FROM: Chugoku Jozo Kobushiki Kaisha
(The Chugoku Brewery Co.)

Address: 858-22 Hatsukaichi-machi, Saiki-gun, Hiroshima-ken.

1) Name (Code No.) and location of the plant which intends to use designated reparations machinery and equipment.

——> Chugoku Jozo Kabushiki Kaisha (non-reparations plant)
(The Chugoku Brewery Co.)

858-22 Hatsukaichi-machi, Saiki-gun, Hiroshima-ken.

2) Name (Code No. Category) and location of the plant where designated reparations machinery and equipment to be used actually exist.

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

Address: 2186 Aza-Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken.

Code No: 11-14, 11-5(71), 11-6(71).

Category: Private Munition Plant

3) List of designated reparations machinery and equipment to be moved and used.

One compressor and two boilers which are dead storage items located at the Japan Steel Works, Ltd., Hiroshima Works' compound; particulars of which are as per the attached.

4) Necessity for movement and use of machinery and equipment.

The reasons for the urgent requirement of the items applied for are that we are engaged in the manufacture of synthetic sake, shochu, and miscellaneous spirits, but lately, we wish to improve the method of processing, furthermore, adapt anew the liquid yeast processing method. The project's result would be for the betterment of quality, and increase production. Getting these equipments through general market would take time, and also it is quite difficult to meet it financially at present. We ask for your special consideration on this matter in forwarding us your kind permission.

SEC. 4 41-11

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

5) Particulars on attached sheets

Letter of assent (Form 1)
Letter of assent (Form 2)
Particulars on items to be moved and used

CHUGOKU JOZO KABUSHIKI KAISHA

ICHIRO SHIRAI
President & Director

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

COPY

LIST OF THE DESIRED REPARATION DESIGNATED MACHINERY AND EQUIPMENT

Applicant: Chugoku Jozo Kabushiki Kaisha (The Chugoku Brewry Co.)

Name of Items	Name of Mfg's. Co.	Type and Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
1) Compressor-Reciprocating Air-single	Kaji Tekkosho	Capacity 12m3/min. Pressure 7kg/cm2 Dia. of cylinder 300mm	11-14-12	Idle	1	
Total: 1						
2) Boiler-Water Tube-Fire Box, Scotch (Lancashire)	Maruzen Tekkosho	Working pressure 8.5kg/cm2 Steam (MT) 1.86 ton/hr. Grate area 3.53m2 Heating surface 101m2	11-14-40	"	1	
"	"	"	11-14-41	"	1	
Total: 2						
GRAND TOTAL: 3						

DECLASSIFIED E.O. 12065 SECTION 3 (b)(1) NLS 03-

LETTER OF ASSENT

Date: 20 April 1950

TO : The Ministry of International Trade and Industry

FROM: Japan Steel Works, Ltd. (K.K. Nihon Seikosho) (proprietor) custodian of Hiroshima Plant (Hiroshima Seisakusho), Japan Steel Works, Ltd. (Hiroshima Plant, Japan Steel Works, Ltd. current user.)

Sir:

We hereby assent to rent the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the Hiroshima Plant, Japan Steel Works, Ltd. (Code No. 11-14) and movement of the same to Chugoku Jozo Kabushiki Kaisha (Chugoku Brewery Co.).

Signed by T. Minakawa
TAKAMITSU MINAKAWA
Custodian of Hiroshima Plant,
Japan Steel Works, Ltd.
(Code No. 11-14)
2156, Aza-Irikawa, Funakoshi-machi,
Aki-gun, Hiroshima-ken.

Signed by T. Minakawa
TAKAMITSU MINAKAWA
Manager of Hiroshima Plant,
Japan Steel Works, Ltd.
2156 Aza-Irikawa, Funakoshi-machi,
Aki-gun, Hiroshima-ken.

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

LETTER OF ASSENT

Date: 24 April 1950

TO : The Ministry of International Trade and Industry

FROM: Chugoku Jozo Kabushiki Kaisha (Chugoku Brewery Co.)

Sir:

I, the undersigned, hereby assent for the custodian of Hiroshima Plant, Japan Steel W orks, Ltd. (Code No. 11-14) to take the fixed responsibility for maintenance of the reparation designated machinery and equipment, list of which is attached to the application herein, belong to the above Plant, after the same were moved into the Chugoku Jozo Kabushiki Kaisha (Chugoku Brewery Co.).

(Signed) I. Shirai

ICHIRO SHIRAI, President & Director
Chugoku Jozo Kabushiki Kaisha
585-22 Matsukaichi-machi, Saiki-gun,
Hiroshima-ken.

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

HEADQUARTERS
CHUGOKU CIVIL AFFAIRS REGION
APO 182

D/RGS/st

9 May 1950

CCAR 386.3

MEMORANDUM FOR: Hiroshima Prefectural Government

THROUGH: Chugoku Liaison and Coordination Office

SUBJECT: Temporary Transfer of Reparations Equipment

1. Reference is inclosed letter, 8 May 1950, from Nihon Seikosho K.K., Hiroshima-shi, Hiroshima Prefecture, subject: "Application for Permission to take out Temporarily Reparations Items from Factory Compound".

2. Permission is granted for the requested temporary removal of arc welders 11-14-2101 and 11-14-2102 from the factory compound to Beppu Kagaku Kogyo K.K., Beppu-ko, Kako-gun, Hyogo-ken.

3. A report of return of these items to the original location for reparations custody will be made upon completion.

Returned

1 Incl
As indicated

C. N. BAILEY
Lt Col, Inf
Chief

O.K.'ed by
Major Freeman, SCAP/CAS
(R.G.S.)

Subject File 11-14 Sec II

ECON 1048

DECLASSIFIED E.O. 11652 SECTION 3 (E)(1)(B) NSC

昭和二十五年五月五日

中國民事部長殿

賠償機械一時搬出に關する許可願

當所製作に係る高壓コンプレッサー納入据付の爲左記賠償機械を一時搬出致し度いと存じますので御許可御願申上ます

記

一、搬出機械　一一一四ー二一〇一　電氣熔接機
　　一一一四ー二一〇二　〃
　　計　二台

一、搬出先　兵庫縣加工郡別府港

一、搬出期間　自五月十日　至七月十五日ー六十七日間

一、搬出理由　別府化學工業株式會社註文に係る當所製品高壓コンプレッサーを納入据付の爲必要

以上

廣庶第二〇七號

廣島縣安藝郡船越町字入川二、一八六
株式會社日本製鋼所廣島製作所
所長　皆川幸光

株式會社 日本製鋼所廣島製作所

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

CORRECTION

THIS DOCUMENT

HAS BEEN REPHOTOGRAPHED

TO ASSURE LEGIBILITY

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

昭和二十五年五月五日

中國民事部長　殿

廣島縣安藝郡船越町字入川二、一八六
株式會社日本製鋼所廣島製作所
所長　皆川幸光

賠償機械一時搬出に關する許可願

當所製作に係る高壓コンプレッサー納入据付の爲左記賠償機械を一時搬出致し度いと存じますので御許可賜度御願申上ます

記

一、搬出機械　一一一四ー二一〇一　電氣熔接機　（AU）
　　一一一四ー二一〇二　〃　（AU）
　　計　二　台

一、搬出先　兵庫縣加工郡別府港
　　別府化學工業株式會社

一、搬出期間　自五月十日
　　至七月十五日ー六十七日間

一、搬出理由　別府化學工業株式會社註文に係る當所製品高壓コンプレッサーを納入据付の爲必要

以上

廣庶第二〇七號

株式會社 日本製鋼所廣島製作所

B-5 (182×257) 西京 262

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

昭和二十五年五月五日

中國民事

賠償機械一時撤出に關する許可願

廣島縣安藝郡船越町字入川二、一八六
株式會社日本製鋼所廣島製作所
所長 皆川孝光

部長殿

當所製作に係る高壓コンプレッサー納入据付の爲左記賠償機械を一時撤出致し度いと存じますので御許可賜度御願申上ます

記

一、撤出機械 一一一四一二一〇一 電氣熔接機（AU）二台
一一一四一二一〇二 〃 （AU）

計 二 台

一、撤出先 兵庫縣加工郡別府港
別府化學工業株式會社

一、撤出期間 自五月十日
至七月十五日（六十七日間）

一、撤出理由 別府化學工業株式會社註文に係る當所製品高壓コンプレッサーを納入据付の爲必要

以上

廣庶第二〇七號

株式會社 日本製鋼所廣島製作所

H-5 (182×257) 西京 262

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

昭和二十五年五月五日

中國民事部長殿

廣島縣安藝郡船越町字入川二、一八六
株式會社日本製鋼所廣島製作所
所長 皆川孝光

賠償機械一時搬出に關する許可願

當所製作に係る高壓コンプレッサー納入据付の爲左記賠償機械を一時搬出致し度いと存じますので御許可賜度御願申上ます

記

一、搬出機械　一一一一四一一一一四一一一一〇二　電氣熔接機（AU　）（AU　）　計　二　台

一、搬出先　兵庫縣加古郡別府港　別府化學工業株式會社

一、搬出期間　自五月十日　至七月十五日

一、搬出理由　別府化學工業株式會社註文に係る當所製品高壓コンプレッサーを納入据付の爲必要　以上

廣庶第二〇七號

B—5 (182×257) 西京 262

DECLASSIFIED E.O. 12065 SECTION 3 102/MR&S NS:

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-207

Tsunamoto

8 May 1950

TO : Commanding Officer
Chugoku Civil Affairs Region
US Army, Kure

SUBJECT: Application for Permission to take out Temporarily, Reparations Items from Factory Compound

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

A. Name of machine and code No.

Code No.	Name of Machine	Authorized Use or Dead Storage
11-14-2101	Welder (Arc)	A. U.
11-14-2102	"	"

B. Name and location of where equipment shall be used.

Beppu Kagaku Kogyo Kabushiki Kaisha

Beppu-ko, Kako-gun, Hyogo-ken.

Returned to plant

C. Period.

10 May to 15 July 1950

D. Reason.

To be used for the installation of our first product, a 2000 HP gas compressor.

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

OKed 9 may 50 by maj. Truman with approval of M. Thurman.

JAPAN STEEL WORKS, LTD.,
HIROSHIMA WORKS

T. Minakawa

TAKAMITSU MINAKAWA, Superintendent

DECLASSIFIED E.O. 12065 SECTION 3 NND/MDS 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-207

5 May 1950

TO : Commanding Officer
Chugoku Civil Affairs Region
US Army, Kure

SUBJECT: Application for Permission to take out Temporarily, Reparations Items from Factory Compound

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

A. Name of machine and code No.

Code No.	Name of Machine	Authorized Use or Dead Storage
11-14-2101	Welder (Arc)	A. U.
11-14-2102	"	"

B. Name and location of where equipment shall be used.

Beppu Kagaku Kogyo Kabushiki Kaisha

Beppu-ko, Kako-gun, Hyogo-ken.

C. Period.

10 May to 15 July 1950

D. Reason.

To be used for the installation of our first product, a 2000 HP gas compressor.

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

JAPAN STEEL WORKS, LTD.,
HIROSHIMA WORKS

T. Minakawa

TAKAMITSU MINAKAWA, Superintendent

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

To CGAR
4 May 50

COPY

2[illegible] April, 1950

Application for Permission to Transfer
and Use Machines Designated for Reparations

To : Mr. Isato Ikeda
Minister of International Trade and Industry.

From: Kumahira Works, Ltd.
Address: No. 1146, Ujina-machi, Hiroshima City
Representative: Seiichi Kumahira, President.

I. Name and Address of the Plant to Use Machines Designated for Reparations.

Name : Kumahira Works, Ltd.
(Non reparations factory)
Address: No.1146, Ujina-machi, Hiroshima City

II. Name (Code No.) and Address of the Plant where Machines Designated for Reparations are Located.

Name of Plants: The Japan Steel Works Ltd., Hiroshima Works.
Code No. : 11-14, 11-5(71), 11-6(71)
Address : No. 2186, Aza Irikawa, Funakoshi-machi, Aki-gun, Hiroshima Prefecture.
Remarks : Unrelated company.

III. General Description of Machines to be Used Designated for Reparations.

Name of Plants	No. of Mach. and Equip. Possessed	No. of Mach. to be Transfered			Remarks
		In Use	Not in Use	Total	
The Japan Steel Works Ltd., Hiroshima Works	3,411	4	8	12	See attached Table I for detail

11-14 Sec. 4

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NSC MEMO 11/2/78 NARS DATE 12/31/80

IV. General Description of Applicant Plant.

At present, our works has been producing Iron Door with Crane Hinge and Manhole for Money Safe Room, Light Iron Door and Manhole for Money Safe Room, Various Kind of Money Safe, Cabinet, Fire Pump for Motor Car, Hand Gasoline Pump, Hand Pump, Fire Extinguisher and other Metal Plate Products.

In regards to the relation of equipments and production to the member of employees, a proper proportion is maintaned and since the establishment of our works in March, 1938, we have been engaged in production of Furniture of Metal Plate and Fire Pump and after commenced to produce Money Safe on August, 1946, we have increased the product step by step and in 1949 we were successful to complete Iron Door with Crane Hinge for Money Safe Room at the 2nd time in Japan after war end, and have supplied to Niigate Branch of Japan Bank.

Our further more purpose is to increase the production of Money Safe and Fire Pump as well as Iron Door with Crane Hinge for Money Safe Room.

(See attached Table II, III and IV)

V. Reasons for Transfer of Machines Designated for Reparations.

At present, our Works possesses such equipments as only capable of manufacturing small parts for Money Safe and Fire Pump and incapable of manufacturing large parts for Iron Door with Crane Hinge for Money Safe Room and Fire Pump and which we therefore relying on subcontractors. Accordingly, supplying date is liable to be late and our productions is siverely hampered. However, even if materials for casting or tempering product are relying on subcontractors, we wish to perform the finish work at our factory installing large type machines and replesmishing insufficient equipments, and to break the defile on present production. And further, it is necessary to design the rationaliz ation of management to cheapen manufacturing cost by using excessive technical skills and by increasing most superior technicians.

From the above mentioned reasons, transfer and temporary use of Machines designated for Reparations are our most urgent desire. Moreover, this factory has the highest producing capacity out of the Money Safe manufacturing factories in Japan and has been concentrating utmost to prove the technical skills and to promote productive capcity still more as the specified factory of Japan Bank.

(A) 2 Planers (Inventory No. 11-14-1763, 11-14-1857)

These are necessary to work on the surface of door, step part, surface of crane and door frame step part of iron door with crane hinge for money safe room.

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

(B) 2 Shapers (Inventory No. 11-14-1825, 11-14-1813)

Which are necessary to work on pressure provision, shaft bearing, plane, sides of gear box and other plane of small parts of iron door with crane hinge for money safe room.

(C) 1 Slotter (Inventory No. 11-14-1893)

Which is necessary to work on phases ofcrane, slotting of hinge shape, the 4th angle door frame steps of ir on door with crane hinge for money safe room.

(D) 1 Milling Machine, Vertical (Inventory No. 11-14-1685)

Which is necess ary to work on pressure provision, phases of boult and combining part of frame combining angle of iron door with crane hinge for money safe room, and to finish guide vane of turbine pump for fire pump and to work on ky ditch [illegible] of various shaft.

(E) 1 Milling Machine, Universal (Inventory No. 11-14-1609)

Which is necessary to finish particularly iron door with crane hinge for money safe room and to work on bolt top, plane of general small parts, shaft bearing of hinge for money safe etc.

(F) 1 Lathe, Turret, (Inventory No. 11-14-758)

Which is necessary to manufacture a large quantity of small metal parts for money safe.

(G) 3 Lathe (Inventory No. 11-14-889, 11-14-1062, 11-14-814)

Which are necessary to work on long shaft for iron door with c rane hinge for money safe room, inside part of turbine pump and other generally.

(H) 1 Sawing Machine (Inventory No. 11-14-1942)

Wchich is necessary to cut frame combining angle of iron door with crane hinge for money safe room or light iron door for [illegible] money safe etc. and other bar materials.

Attached sheets are:

(A) Agreement for the transfer of machine facilities designated for sparations.

(B) Copy of Reconversion Permit for Reparations Plant.

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

(Unattached as this is non-reparation plant)

(C) Table I, Specification of Machines to be Used Designated for Reparations.
(See attached Table I)

(D) Table II, Present Production of the Plant to Use Machines Designated for Reparation.
(See attached Table II)

(E) Table III, Number of Machines and Equipments of the Plant to Use Machines Designated for Reparations.
(S ee attached Table III)

(F) Table IV, Number of Employees of the Plant to Use Machines Designated for Reparations.
(See attached Table IV)

S. Kumahira

Seiichi Kumahira, President,

Kumahira Works, Ltd.

DECLASSIFIED E.O. 12065 SECTION 3 NLJ/MAS NO.

APPENDIX

Table I Specification of Machine to be Used Designated for Reparations

Item	Maker	Type & Size	Inventory No.	In Use(AU. TO.EX) or Remarks Not in Use
Planer	Yoshimatsu Kikai Seisakusho	Double Housing Length of Table 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	Yoshimatsu Takahashi Tekkosho	Double Housing Length 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	Horizontal 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 400x480 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 column 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 Size of working surface table 419x1420 m/m	11-14-1685	Dead storage

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

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 carriege 380 m/m Distance between centers 2,000m/m Bed length 3,050m/m	11-14-1062	Dead storage
Lathe	Osakakikai Seisakusho	Gap Swing over bed 620m/m Swing over Carriage 480m/m Swing over Gap 1,120m/m Distance bet. centers 1,800m/m Bed length 3,600m/m	11-14-889	Dead storage
Lathe	Ikegai Tekkosho	Engine Swing over bed 520m/m S wing over carriage 175m/m Distance bet.centers 1,500m/m Bed length 3,000m/m	11-14-814	All.
S awing Machine	Hodogaya Tekkosho	Hack Max.working dimensions 50x200m/m	11-14-1942	TO

Tofa l

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

APPENDIX

Table II

Present Production of the Plant to Use Machine Designated for Reparation
(Non-reparation Plant)

Item	Production per month	Item	Production per month
Iron Door with Crane Hinge for Money Safe Room	1	Fire Pump for Motor Car	2
Manhole for above Money Safe Room	1	Hand Gasoline Pump	5
Light & Iron Door for Money Safe Room	4	Hand Pump	10
Manhole for above Money Safe Room	4	Fire Extinguisher	500
Money Safe of Large type	10		
Money Safe of Middle type	25		
Money Safe of Small type	60		
Cabinet	60		