DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

TO : Mr. Shigeru Yoshida, Prime Minister

FROM : Chairman Tsunei Kusunose, Governor of Hiroshima
Governor of Hiroshima Prefecture;
Vice Chairman: Tedate Suzuki,
Mayor of Kure City,
Committee on Emergent Measures
for Unemployment in Kure City.

SUBJECT: Petition for Industrial Rehabilitation of
Kure City.

21 August, 1950.

1. The city of Kure contains a population of some 180,000 souls, 16,000 of which are out of employment; and thus fifty thousand people including their families are struggling against hard living. At this juncture, the Kure Dock of the Harima Shipyard, one of the city's greatest enterprises. has been directed to cease from conducting its present business after the end of this year by SCAP Memorandum SCAPIN 2103 dated 23 June 1950. The overall suspension of business of the company would not only throw some 4,500 people more out of work but also constitute a fatal blow to the merchants and citizens living in the city.

Kure city has been trudging a thorny path with regiments of jobless people since it ceased to be a naval port by the Surrender; and now the city is faced with a new situation that it has to abandon its hope for reconstruction of the living of the citizens. This is why we are submitting the present petition to the General Headquarters, Supreme Commander for the Allied Powers and the Japanese Government concerning the relief of the unemployed and the industrial rehabilitation of the city.

A. It is desired that approval be given to the conversion of the principal business of the Kure Dock of the Harima Shipbuilding Works to the production of machines, etc. for peace industry,*required by a trade port, without effecting any alteration to its present equipment and facilities. It is also desired that the application for conversion of the Kure Plant of the Amagasaki Iron Works be granted.

* retaining the minimum facilities for repairing vessels as

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

B. It is desired that approval be given to the applications of the Nichia Steel Works, the Toyo Pulp, the Maruzen Oil, and the Kawanami Industry at the earliest opportunity.

C. It is desired that consideration be given to the early release, if possible, of those reparations facilities, now located in Kure City, which are needed for the industrial rehabilitation of the city. Especially it is desired that preferential permission be given to the use of reparations facilities located in Kure for the sake of the rehabilitation.

2. In Kure city there remains the greater part of the past 60 years' enormous investments by the Japanese navy and they offer a basis for a peaceful and constructive purpose; namely,

1) Skilled labor

There are 15,000 skilled hands who worked many years at the former naval arsenal. Although moderate in thought and proud of their own ability, they are still out of work.

2) Harbor

In its and adjacent districts the Port of Kure alone has mine-cleared lanes that foreign ships are permitted to enter. It has also excellent harbor facilities as enable freighters in the 10,000 ton class to load alongside the quay. It is equipped with four dry docks, large and small, which can be utilized in repairing foreign and merchant vessels.

3) Transportation

The port has land transportation facilities, all in good order, such as rail way lines and roads for lorries.

4) Electric Power

Power supplying and transforming facilities remain in as good order as they were put in so as to meet the maximum war-time requirement.

5) Water supply for industries

Supplying capacity per day: 120,000 tons — far above the maximum requirement of Kure City (65,000 tons)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

6) Gas

Productive capacity: 1,500,000 cubic meters
(Present requrement: 450,000 cubic meters)

7) Others

It has sufficient capacity for coal and petroleum storage.

3. At present the following four plants are the principal industries. These are all that are authorized to temporarily operate at the site of the former naval establishment.

Kure area: Kure Dock of Harima Shipbuilding Works
Kure plant of Amagasaki Iron Works

Hiro area: Hiro Plant of Kawanami Industry
Hiro Plant of Engineering Department of Hiroshima Railway Bureau

Besides them, there are some small-scaled subcontracting factories.

The Harima Shipyard Kure Dock, the largest of those had been engaged, under authorization of the occupation authorities, in ship repairs and in scrapping of civilian and naval vessels since 1946. However, the latter business having been completed, the company was contemplating business reorganization, when the memorandum mentioned above was issued, much to the astonishment of Kure city.

Accordingly, it has been decided judging from various angles that the city should take up as one of the unemployment countermeasures a plan for conversion of the Kure Dock as set forth in the attached papers, in view of the Kure Dock as set forth in the attached papers, in view of the actual situation of the Harima Shipyard. Although only light industry, we hear, is permitted on the site of the Dock, there is no alternative for us but to go to heavy industry in consideration of the condition of land and buildings, facilities, the kinds of machines, the use thereof, experience and other factors. With light industry as our main business, we would need an enormous amount of capital; and for the time being we would not only incur lowered efficiency and decreased utility but at the same time we would be unable to utilize to the fullest extent our experience of an average of more than ten years.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

As to the Amagasaki Iron Works Kure Plant, a separate application has been submitted, and everything depends upon whether it is formally granted or not. Operation of the Hiroshima Railway Bureau Hiro Engineering Plant is being suspended at present. An overall plan including them is shown in Attached tables Nos. 1 and 2.

4. During 1950 about 30 million yen is to be defrayed by Kure city as expenses for the relief of the unemployed in Kure city and a hundred million yen or so by the National Treasury and Hiroshima Prefecture for work relief projects. These unemployment relief measures, designed to give relief to 3,000 persons a day, cover ten thousand and odd of the registered jobless people; but the figures correspond to only one-third of those registered, leaving the remaining two-thirds and their families in the depth of poverty. It is of course necessary to obtain further help from the Government towards their relief, but we feel keenly the far greater necessity of the Government's special assistance for the sake of economic rehabilitation of the city. Although we are doing our utmost to invite other industries to our city, we hereby earnestly solicit you for your favorable consideration to the matters which we consider are most essential for the industrial rehabilitation.

FOR THE CHAIRMAN:

Tedate Suzuki
Mayor of Kure City,
Vice Chairman, Committee
on Emergent Measures
for Unemployment in
Kure City.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

September 19, 1950

OPINION OF MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY CONCERNING THE CONVERSION OF THE HARIMA SHIPYARD AT KURE TO PRODUCTION BY USING THE PARTS OF THE FORMER NAVAL SHIPYARD (CODE NO. 11-5 (5))

1. The following is the opinion of the Ministry of International Trade and Industry relative to the plan of business activities herewith proposed.

a. The items considered in the conversion plan include heavy machinery for chemicals, mining and iron industries and auxiliary machinery,. electrical equipment and parts, machining, steel products and lumber and wooden manufactures. Items other than heavy machinery will merely be converted from marine use to land use. As regards heavy machinery Kure shipyards has large metal processing machinery and large machine tools. Although the foundry facilities are somewhat limited there are no inconveniences in this regard because the Amagasaki Seiko is situated nearby and it is considered to be both easy and appropriate to convert to this plant.

b. There is no shortage of heavy machinery if we view the present supply and demand situation in this category. However, in respect of large metal processing machinery and large machine tools there is a shortage, unlike the situation existing the case of machine tools for general purposes. The shipbuilding industry commands most of the manufacturing capacity; Yet as

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

the capacity of shipyards has dropped greatly as a result of the ravages of war, the possibility is ever present that the slightest change in condition immediately affects manufacturing capacity for heavy machinery; hence the desirability for an increase in plant facilities for the exclusive manufacture of heavy machinery.

c. In the vicinity of the Kure Shipyard there are many users of heavy machinery such as Dowa Mining, Nihon Mining, Ube Kosan, Nittetsu Mining, Showa Petroleum, Japan Oil, Maruzen Oil, Ube Soda, Toyo Koatsu, Nisshin Chemicals, Kamishima Chemicals, Teikoku Kako, Mitto Ryuso, Shikane Chemicals, Asahi Kooki, Onoda Cement, Nippon Cement, Hiroshima Chemicals, Sanyo Pulp, Nippon Shigyo, otake Shigyo, Toyo Steel Plates, Teikoku Jinken, Toyo Boseki (staple fibre), Kurashiki Rayon, Shinko Rayon, and other large firms, indicating that Kure Shipyard is conveniently situated.

d. Plans for the manufacture of auxiliary machinery and electrical equipment and parts naturally accompany the manufacture of heavy machinery. It is expected that orders from nearby industries for supplementary parts and for emergency repairs and construction will far exceed the plan, because of the favorable geographical conditions.

e. With regard to structural steel products, the question of distance between the manufacturer and the consumer is one of great importance because of the relationship between freight and the building contractor. When considering from this standpoint the matter of reconstruction of the cities of Hiroshima and Kure and the scheduled construction of the Toyo Pulp Co. and the Nichia Seiko in Kure, it is absolutely to have the necessary manufactures undertaken by Kure Shipyard.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

f. Plant facilities are complete in respect of lumber and wooden manufactures, allowing for the efficient manufacture of furniture and fixtures. Here again the plant is favorably situated to serve the needs of nearby regions.

2. The points indicated above constitute an inevitable conclusion arising from a consideration of the conditions existing in Kure and adjacent regions and of the nature of the available plant facilities which happen to be complementary to the needs of the area. It is requested that a careful and earnest consideration will be given to this proposal and it is hoped that favorable steps will be taken to help remove the economic difficulties now faced by the company and at the same time establish a basis of self-support for the city of Kure.

FOR THE MINISTER

By _____
Teruhiko Iwatsuka, Deputy Chief
Enterprise Bureau
Ministry of International Trade
and Industry

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

22 Sept. 1950

RECOMMENDATION OF MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY FOR CONTINUATIVE OPERATION OF AMAGASAKI SEITETSU K.K. (AMAGASAKI IRON & STEEL CO., LTD.), CURRENTLY USING A PART OF STEEL MANUFACTURING FACILITY OF FORMER KURE NAVY YARD.

1. Reference is made to AG(23 June 50) ESS/IND, SCAPIN 2103, Memorandum for Japanese Government, Subject: Revision of Scope of Activities in Former Japanese Naval Shipyards.

2. The main works of this company was established at Amagasaki City, Hyogo Prefecture, in 1937, and later it was divided into two companies, Amagasaki Seitetsu K.K. and Amagasaki Seiko K.K., in 1946.

3. With permission of Headquarters, Eighth Army, dated 6 May 1946, and of Headquarters, 76th Military Government, dated 13 May 1946, this company has been engaged in the manufacturing of steel ingots, iron, steel and alloy castings in the facility of former Kure Navy Yard.

4. The Ministry of International Trade and Industry has concluded this company as essential for maintenance and rehabilitation of peace-time economy as well as social welfare in this country, owing to the following circumstances:

(a) In the consideration of national iron and steel production between two manufacturing centres, Kyushu and Kinki District, there is no other steel production facility than this steel work of the Kure ex Navy Yard. This works, therefore, only one supply source of steel ingot for roll-mill operators in this District.

(b) Originally, this company started its production in this works, to take charge of dismantling the former war facility and

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

disposing the scrap iron, according to the instruction issued by the Occupation Forces. Such being the start of business, having a large quantity of producible scrap in this District and stocked scrap in the yard, it is presumed that this company will be able to continue further its production without relying upon the scrap souce in other districts.

(c) A large size cast alloy products, especially marine propellers, manufactured by this works, is one of the most excellent in this country. About 70 % of propellers equipped to the foreign ships built in Japan in 1946 fiscal year, was supplied by this works. As to the manufacture of large size solid propellers, there are now only two makers, Nagasaki Shipbuilding Works, and this Kure Works, which will be required for the most of merchant vessels of modern large type in this country.

(d) Large size equipments, such as two sets of 10 ton cupola and two sets of 6 ton cupola for iron foundry, 15 and 10 ton reverberatory for alloy foundry and 15 ton melting-pot kept in this Works, are very rare ones in this country. Equipped with extraordinary large-size machine-tools this Works has been important for demanders of large size iron and steel casting products. They were formerly supplied for marine use, but recently, being supplied mainly to iron & steel production, paper manufacturing and other various manufacturing industries, and promised to be increased in future.

(e) Though the products of this works are essential for Japan's peace-time economy, there might arise a misunderstanding that

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

the continuative operation of this works results in the maintenance of a great potential war facility: this works being a part of steel production facility in the former Kure Navy Yard. However, such misapprehension will be completely solved, if the real circumstances as mentioned below be clarified:

Essential Part, nearly, more than 80 % of steel production facility of former Kure Navy Yard was completely damaged by bombing in the war time. In addition, large-size or special type machinery and equipments, regarded as solely available for war purpose, were already scrapped down. The present scope of this Works, equipped with 500 reparation items and with 160 MM machines, is sufficient only for the industrial purpose in peace time. It is, therefore, far beyond the real situation of this Works, that the remained steel production facility might be switched to a war facility.

(f) Beside the above industrial necessity, the social circumstance currently prevailing in Kure District, should be also taken into consideration, in case of screening the continuative operation of this Works. Because, the ratio of unemployment of Kure City has become the highest one in this country since the end of war, how to give the sound occupations to the jobless people is a matter of vital importance to the local Government. Presently, about 800 workers-- presumably 3,000 in consideration of their family -- are supporting their livings, owing to the reopened operation of this Works. Suspension of this industry would result in more unemployees in this city, thereby inflicting a hard blow upon the

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

countermeasure to cope with the current unemployment. Therefor, the continuation of this production is needed also for supporting the bona fide people's living thus to avoid the social confusion.

Such being the circumstances, the Ministry of International Trade and Industry regards the continuation of this iron & steel production as essential for the maintenance of Japan's economy and people's welfare.

FOR THE MINISTER:

Deputy Chief,
Enterprise Bureau.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1 Aug. 1950

RECOMMENDATION FOR NECESSITY OF CONVERTING A PORTION OF THE FACILITY BELONGS TO FORMER KURE NAVAL SHIPYARD (11-5 (6)) APPLIED BY NICHIA SEIKO K.K.(NICHIA STEEL WORKS, LTD.)

1. Reference is made to the original application filed by Nichia Seiko K.K. (Nichia Steel Works, Ltd.), non-reparation plant, herewith attached.

2. The Ministry of International Trade and Industry, after thorough investigation of the original application herewith attachedfor manufacturing of hoop steel converting a portion of the facility belonging to the former Kure Naval Shipyard 11-5 (6), wishes to forward to your Headquarters a letter of recommendation for the folling reasons:

A. The applicant, Nichia Seiko K.K.(Nichia Steel Works, Ltd), having bean engaged in manufacturing of sheet steel for last thirty (30) years in Hyogo Prefecture, is one of the three noted manufacturers in that field. Worthy of mention regarding this Co. is that as their present plant is situated on the reclaimed and narrow land of Amagasaki City, the plant is doomed to seek somewhere else more restful place suitable for heavy industry. The present site is, as is well known, sinking yearly.

For this reason, the Co.'s sincere desire to move into the site of the former Naval Ship-yard with hope to use idle and released land and buildings to set up an up-to-date steel plant is considered logical in every respect.

B. Despite of tremendously growing hoop steel demand in the various industrial field at home, no manufacturer is presently capable of supplying hoop steel whose size ranging from 19 mm.-200 mm., and even in the future no manufacturer is expected to put out it, unless this Co.'s plan is realized.

The trend is that hoop steel will find far wider uses as material for welded pipes, tin plate hoop, silicon hoop steel, automobile parts, ammonia pipes, boiler pipes, various machine parts and other processing purposes. These all require brouder hoop steel.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

while production plan of the Ministry of International Trade and Industry for 1950 fiscal year is limitted to 6,700-ton of hoop steel, its overall demand is anticipated to exceed well over 206,000-ton.

c. Other feathers note-worthy to mention are as follows:
   1. It is considered as well concentrated plant in every respect.
   2. It can easily be made usable by minor repair, that is, economically repairable.
   3. Land and harbor facility are well-built to function efficiently as steel plant.
   4. Building itself is well-suited for steel plant in that over-head crane as well as other miscellaneous equipments are readily usable.
   5. Ample supply of electricity and water which are most desirable for plant of this nature is readily available.

D. Labour situation.
Kure City is confronted with unprecedent and serious unemployment problem, for Harima Dock which presently employes over 4,000 labours will soon be thrown out of business, and many other labours employed in the various fields of B.C.O.F. are doomed to be discharged in not distant future.

This serious social problem of Kure City as a center of unrest is a big topic of discussion among Government center. Such being a situation, if fortunately this plant is authorized to function its operation as a steel plant, it will undoubtedly help to alleviate prevailing serious labour situation to a great extent and bless Kure citizens.

3. For the above stated reasons, the Ministry of International Trade and Industry has come to recognize the fact that hoop steel production plan described in detail in the original application herewith attached will contribute to Japan's steel industry of rationalization and modernization.

Your Headquarters's prompt and favourable consideration will be greatly appreciated.

FOR THE MINISTER:

DEPUTY CHIEF.
Bureau of Enterprise.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

THE PLAN OF CONVERSION OF BUSINESS OF KURE DOCK, HARIMA SHIPBUILDING WORKS, LTD.

19TH SEPT., 1950.

KURE DOCK

HARIMA SHIPBUILDING WORKS, LTD.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1. Outline of the Plan

This plan is designed to convert the main substance of business of the Kure Dock of the Harima Shipyard which specializes at present in ship repairs to the production of machinery and steel structures for use on land, without effecting any great alteration in its present equipment and technique.

2. History of Kure Dock

The equipment of the former Kure Naval dockyard was authorized to reopen by SCAP memorandum AG 561 GD (SCAPIN 451) of 15 December 1945, and on 1 April 1946 the Kure Dock started operation as a sheer peace industry using a part of the shipbuilding and engine departments of the dockyard. Ever since it has primarily been engaged in the salvage and scrapping of inoperable naval vessels located in Kure area, and in the salvage and major repair of inoperable merchant vessels.

3. Reasons for Necessity of Conversion

However, by a new memorandum SCAPIN 2103 dated 23 June 1950, the Kure Dock was requested to cease operating the work concerned with ships at the end of this year, and as to a future operation program it was called upon to file an application. If things are left as they are, the closure of the dock is feared to be inevitable, driving its 4,500 employees out of work.

The stoppage of function of the Dock means the collapse of the principal industry of Kure city; therefore, we should make every effort to keep as many workers as possible.

Here lies the reason why the principal business of this dock which was set up as a complete facility for the construction and repair of vessel should be diverted to other business.

4. Various Factors to be Considered in the Conversion Program.

(a) Equipment

The former shipbuilding facilities are equipped with steel processing high-precision machines of large

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

size, spacious assembly plants and devices for conveying heavy goods, which may be used, with little alteration, for the efficient manufacture at low price of large-sized steel structures, etc.

As to the engine construction facilities which are featured with large-sized and small-sized machine-tools of high efficiency and precision, it is especially to be noted that they are equipped with large-sized gear-cutters, planers, jig borers, etc. of superior capacity, exceedingly suitable to the manufacture of machines for industrial purposes.

Therefore, we are sure that the machines and apparatus now in use will function admirably in manufacturing industrial machines and steel structures, thus making the enterprise possible.

(b) Technique

Since a majority of the Dock's personnel have years' experience and are highly skilled in the manufacture and repair of ships, machines and precision apparatus of various kinds, it is expected that they will display their competence in the designing as well as processing and assembling of machines and steel structures.

This is how we have come to be convinced of the possibility of gradual conversion of the substance of our business while retaining the present personnel and technique after dismissal of 1900 workers in this Sept.

(c) Locational Advantage

The Port of Kure---directly connected with the heavy industry districts of Osaka-Kobe and Northern Kyushu by the Inland Sea watercourse---has a rosy future as a trade port. Again, the city, with engineering facilities of the former Navy being gradually converted for peace time industries, is destined to become an industrial center. Accordingly, it is up to the Kure Dock to decide on the nature of its future business on the basis of its location; and it is most desirable that the Dock is converted into a form of facility necessary to a trade port.

(d) Marketability of Produce

In deciding upon the substance of business con-

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

sideration must also be given to the marketability of machines, steel structures, and other products.

Viewed from past results and technical performance, it is expected that in the production program after conversion is carried out, products of a high quality will be turned out at low price in view of the prevailing industrial standard of Japan. However, there being comparatively few establishments of the same nature in the Chugoku and Shikoku areas, it is anticipated that demand will be great for industrial machines and steel structures which are needed for the maintenance and construction of various production facilities chiefly engaged in chemical industry, especially for the setting up of plants moved to the place with the conversion of the former naval port.

To add to this, since it is possible to supply products of good quality at low price thanks to the long experience, superior technique and highly efficient machines as mentioned above, it is believed there is no cause for fear about availability of markets.

5. Concrete Plan for Conversion.

(a) Principal Substance of Business after Conversion

Taking into consideration the factors stated above,
i. the principal substance of business should be shifted from ship repairs to other peace industries, e.g. the manufacture of industrial machines and steel structures;
ii. produce should be such as has lasting demand and has moderate marketability;
iii. conversion must be carried out without major alterations to the present facilities or technique, and must make possible the financial as well as technical independence of the new enterprise.

If a plan is to be drawn up to determine the type of future business with the foregoing in consideration, the items as set forth on the attached table No. 1 should be taken up. Expected amount of production, required personnel, and required number of the machines and tools now in use which are designated for reparations are also listed after studying facilities and market conditions.

It shows that according to the program, 88 percent

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

of the total capacity is to be used for the production of industrial machines and apparatus and steel structures, leaving only 7.5 for ship repairing.

In other words, with ship repairing removed from its line of business, the Kure Dock would necessarily have to fall back chiefly on machine industry, and that with great confidence in its operational success both technically and financially. It would be practically impossible from the financial point of view to shift to other industries, such as light industry, unless drastic alteration is effected in the present facilities.

(b) Gradual Shift to Conversion.

The period of conversion may be divided into 3 stages. (Attached tables Nos. 1 & 2 relate the outline of these stages, while Nos. 3 & 4 show the change in number of cases to be handled and that of personnel required.)

1st. Stage (present to the end of March 1951):
The personnel will be decreased to such degree as necessary for the anticipated capacity of business. Preparation for a changeover of facilities and technique will be carried out while operation is continued centering around the reconversion of S.S. Yamazono Maru and other orders in hand.

2nd Stage (1951 fiscal year):
Work concerned with ships will be limited to running repair and scrapping, while mechanical work will be made a regular business by degrees. The amount of general ship repair will be near the maximum that can be obtained in the shipping market. The number of cases of manufacture of machines and steel structures and of ship repair to be handled during the year is estimated to be respectively 357,000 and 120,000 in man-days.

3rd Stage (1952 fiscal year):
Ship repair business will be gradually decreased, the capacity thus saved being used in the production of machines. At the end of the year machines and steel structures will occupy 85 percent of the total production. The number of cases of manufacture of machines and steel structures and of ship repair to be handled during this year is estimated to be respectively 453,000 and 81,000 in man-days.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Stage following the 3rd (after April 1953):
At the beginning of this stage the substance of Business will become just as planned; that is, the production of machines and steel structures will correspond to 88 percent of the total production, thus completing the conversion. Ship repairing work will be limited to such degree as to maintain the capacity by which the running repair of vessel in the trade port is possible.

Attached table No. 5 shows the distribution of personnel by function.

6. Conclusion.

After the shipbuilding industry is divorced from the Kure Dock, the manufacture of industrial machines and land steel structures is considered to be most fitted to the dock as an enterprise which is, from the technical and economic stand-point, practicable to turn to, by making the most of the qualities of its equipment. Some preparations will have to be made in respect of technique and equipment before shifting to the new structure. For that purpose it is necessary to supplement the amount of work by obtaining authorization for running ship repair and for work on the "Special demand" basis, besides the already authorized one. In this way the Kure Dock will in the near future be regenerated as a plant which is primarily designed for the production of industrial machines and land steel structures and which, as a facility attached to a trade port, has only a capacity for repairing ships.

It may be added that according to the present plan conversion is scheduled to be completed in 30 months.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ATTACHED TABLE I

ITEMS \ KINDS OF WORKS STAGE		MANUFACTURE OF CHEMICAL AND MINING INDUSRIAL MACHINERY AND INSTALATION	MACHINING OF PART OF INDUSTRIAL MACHINERY AND INSTALLATION
MEAN AMOUNT OF MANUFACTURING IN ¥ PER MONTH	APR. 1951 ~ MAR. 1952	14,100,000	11,600,000
	APR. 1952 ~ MAR. 1953	15,600,000	12,600,000
	APR. 1953 ~ MAR. 1954	17,500,000	13,100,000
MEAN AMOUNT OF MANUFACTURING PER MONTH	APR. 1951 ~ MAR. 1952	130T	110T
	APR. 1952 ~ MAR. 1953	160T	120T
	APR. 1952 ~ MAR. 1954	180T	125T
MEAN LABOUR AMOUNT IN MAN-DAYS PER MONTH	APR. 1951 ~ MAR. 1952	7,100	6,200
	APR. 1952 ~ MAR. 1953	9,100	6,800
	APR. 1953 ~ MAR. 1954	10,000	7,000
MEAN NUMBER OF MEN PER DAY	APR. 1951 ~ MAR. 1952	280	250
	APR. 1952 ~ MAR. 1953	360	270
	APR. 1953 ~ MAR. 1954	400	280
NUMBER OF REPARATION MACHINERY USED PER MONTH	APR. 1951 ~ MAR. 1952	269	190
	APR. 1952 ~ MAR. 1953	269	190
	APR. 1953 ~ MAR. 1954	269	190
DETAIL OF THE WORKS		CRUSHERS CONVEYORS HIGH PRESSURE PUMPS COMPRESSORS PULP & PAPER MACHINES PRESSURE VESSELS TANKS. ETC.	PARTS FOR REDUCTION GEARS PUMPS AND OTHER INDUSTRIAL MACHINERIES. JIGS GAUGES ETC.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENT

OF MINING CHINERY ION	MACHINING OF PARTS OF INDUSTRIAL MACHINERY AND INSTALLATION	MANUFACTURE OF DIESEL ENGINES	STEEL STRUCTURAL WORKS FOR LAND USE	MANUFACTURE OF ELECTRIC MACHINERY AND INSTALLATION	LUMBER SAWING WORKS
	11,600,000	10,600,000	26,000,000	7,600,000	8,000,000
	17,600,000	14,700,000	34,000,000	3,600,000	8,000,000
	13,100,000	17,400,000	36,000,000	3,900,000	8,000,000
	110T	800 HP	650T	2,600 SET	1,100 M^3
	120T	1,100 HP	850T	3,600 SET	1,100 M^3
	125T	1,300 HP	900T	3,900 SET	1,100 M^3
	6,200	5,800	7,600	2,000	1,000
	6,800	7,900	10,300	2,700	1,000
	7,000	9,000	11,000	3,000	1,000
	250	230	310	80	40
	270	320	410	110	40
	280	360	440	120	40
	190	177	470	178	99
	190	177	470	178	99
	190	177	470	178	99
PUMPS ACHINES SSELS	PARTS FOR REDUCTION GEARS PUMPS AND OTHER INDUSTRIAL MACHINERIES JIGS GAUGES ETC	PARTS FOR DIESEL ENGINES AND ASSEMBLY	GIRDER WORKS, SUCH AS BRIDGES, TOWERS, ETC.	ELECTRIC MACHINERIES INSTRUMENTS AND ACCESSORIES OF MACHINERY PLANNED FOR CONVERSION PLAN	LUMBER FOR GENERAL PURP

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENTERPRISE PLANNING

SEPT.

URE OF RIC Y AND LATION	LUMBER SAWING WORKS	WORKS ORDERED BY THE HOME FACTORY	MISCEL. ORDERS AND SPECIAL PROCUREMENT	RUNNING REPAIR WORKS OF SHIPS	SCRAPPING OF
000	8,000,000	125,000	4,575,000	15,000,000	7,000,000
000	8,000,000		3,000,000	10,050,000	
000	8,000,000		3,000,000	5,250,000	
SET	1,100 M^3	70 T	70 T	30,000 GT	7000 GT
SET	1,100 M^3		40 T	20,000 GT	
SET	1,100 M^3		40 T	10,000 GT	
	1,000	750	3050	10,000	3,000
	1,000		2000	6,700	
	1,000		2,000	3,500	
	40	30	120	400	120
	40		80	270	
	40		80	140	
	99	MACHINERY	FOR PLANNED	308	50
	99	CONVERSION	TO BE USED	308	
	99			308	
MACHINERIES HTS AND ES OF Y PLANNED ERSION	LUMBER FOR GENERAL PURPOSE				

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

SEPT. 1950. HARIMA SHIPBUILDING WORKS, LTD. KURE DOCK

REPAIR KS SHIPS	SCRAPPING OF SHIPS	SALVAGING WORKS OF SHIPS	INDIRECT LABOUR	TOTAL
,000-	7,000,000			99,600,000
,000				101,550,000
,000				104,150,000
GT	7000 GT	NOT		
GT				
GT		DECIDED		
00	3,000		19,750	66,250
00			19,750	66,750
00			19,750	66,750
00	170		790	2,650
0			790	2,650
0			790	2,650
	50		GENERAL USE 97%	2,713
			DITTO 97%	2,663
			DITTO 97%	2,663

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Ltr, Headquarters, Chugoku CAR, CCAR 386.3 (D-St), Subj: "Use of Reparation Facility (11-05), dated 7 July 1950

387.6 (7 July 50)CAS-EM 1st Ind

Civil Affairs Section, GHQ, SCAP, APO 500 27 OCT 1950

TO: Chief, Chugoku Civil Affairs Region, APO 182

1. Application referred to in paragraph 4, basic letter, has not been received by this headquarters from the Japanese Government.

2. Due consideration will be given to Civil Affairs recommendation when application is received.

FOR THE CHIEF, CIVIL AFFAIRS SECTION:

1 Incl
n/c

J. A. O'BRIEN
CWO USA
Adm Off

RECEIVED CA-D

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HEADQUARTERS
CHUGOKU CIVIL AFFAIRS REGION
APO 182

8767

CCAR 386.3 (D-St) 7 July 1950

SUBJECT: Use of Reparation Facility (11-05)

TO : Chief
Civil Affairs Section
GHQ, SCAP
APO 500

1. Reference is SCAPIN 2103, 23 June 1950, subject: "Revision of Scope of Activities in Former Japanese Naval Shipyards".

2. The inclosed two copies of application from Amagasaki Iron and Steel Manufacturing Company, 6 July 1950, subject: "Petition for the Continuance of Production Activities", is forwarded for information and assistance in expediting action.

3. This company has been melting scrap in the Kure Naval Arsenal since April 1946 and these are enough scrap within the arsenal area for twenty (20) months operation at the present rate. The scrap in nearby areas would justify melting operation for approximately 2 years more.

4. The application is being processed through normal Japanese Government channels. Approval is recommended.

FOR THE CHIEF:

Lewis A. Minichiello

1 Incl
As indicated

LEWIS A. MINICHIELLO
Lt Col, Inf
Deputy Chief

3357

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

6 July 1950

TO : General Headquarters, Supreme Commander for the Allied Powers
THROUGH : Chugoku Liaison & Coordination Region
FROM : Amagasaki Iron & Steel Manufacturing Company
SUBJECT : Petition for the Continuance of Production Activities

1. Based on the approval of the Headquarters of the Eighth Army dated 6 May 1946 and that of Headquarters of the 76th Military Government Company dated 13 May 1946 as per attached enclosure No.1 and 2, we are since then manufacturing mainly steel ingots, steel, iron and alloy castings and others.

2. Machineries and equipments now we are authorized to use are those which are located on the Steel Department area of former Kure Navy Yard as shown on the enclosed map. And raw materials which we had utilized for melting until now were the iron and steel scraps located on the land of former Steel Department of the Navy Yard.

3. Accordingly, we supose we are allowed to understand that the Memorandum for the Japanese Government "Revision of Scope of Activities in former Japanese Naval Shipyards" dated 23 June 1950 is related to the shipbuilding area of this Navy Yard only and that we are allowed to continue our production activities as usual.

4. However, as the prior approval of the Supreme Commander for the Allied Powers are required for any other operations by item c, paragraph 2 of this Memorandum, we herewith apply the petition for the authorization of continuance of our production activities.

5. We intend to continue the production of steel materials in future even if we are obliged to procure the iron and steel raw materials from other places all over Japan after the scraps to use in this Steel Department area are cleaned up.

6. Now we are employing 800 workers and all of them are eargerly hopping to continue the present production activities.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

7. The output of our Works from April 1946 to June 1950 and those of latest 6 months are as per attached enclosure No.3.

8. Main machineries and equipments now we are authorized to use are as per attached enclosure No.4.

9. It is earnestly desired that the General Headquarters,Supreme Commander for the Allied Powers would be good enough to approve our petition for the continuance of our production activities.

FOR THE PRESIDENT

M. Urabe

M.URABE
President of Kure Steel Works,
Amagasaki Iron & Steel Manufacturing Company

Attached Enclosure:

No.1	AG 004.04 "Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard" (6 May 46)
No.2	WLH/In "Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard" (13 May 46)
No.3	Output of the Works.
No.4	Machineries and Equipments now in use.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 1

Office of the Commanding General
APO 343

AG 004.04 (MG) 6 May 1946

SUBJECT: Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : Central Liaison Office,Tokyo

1. Reference is made to letter,file C.L.O.No.94 (ECI),dated 24 April 1946,subject as above.

2. The temporary use of the additional electric furnaces,open hearth furnaces and other forging and casting equipment as requested in the application of the Amagasaki Iron and Steel Manufacturing Company,is approved.

3. This headquarters has informed the commanding officer of the 76th Military Government Company of the action taken by this headquarters and has directed that the Amagasaki Iron and Steel Manufacturing Company be advised that the use of this equipment will not release it from any possible future reparations action and that they will meet the requirements for proper custody and control.

b BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

James H.Nash
1st Lt.,CAC
Actg.Asst.Adjutant
General

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 2

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 24 (Kure,Honshu)

WLH/In

13 May 1946

SUBJECT: Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : : Amagasaki Iron and Steel Mfg.Co.,Ltd.

1. Your request for the temporary use of additional electric furnaces,open hearth furnaces and other forging and casting equipment as specified in your application dated 24 April 46,is hereby approved.

2. The temporary use of this equipment will not in any way affect its status in any possible future reparations actions. You will at all times meet the requirements for proper custody and control.

FOR THE COMMANDING OFFICER:

JOHN D.MONTGOMERY
1st Lt.TC
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 3

LIST OF OUTPUT OF KURE WORKS, AMAGASAKI IRON & STEEL MFG.CO.

	From April 46 to June 50	From Jan.50 to June 50
Steel ingots	35,990 metric tons	3,689 metric tons
Steel castings	1,572 " "	475 " "
Iron castings	4,416 " "	683 " "
Steel forgings	222 " "	48 " "
Alloy castings	414 " "	144 " "
Re-rolled steel bars	1,356 " "	278 " "
Oxygen	801,348 Cubic meter	164,758 Cubic meter

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO; 4

LIST OF MAIN MACHINERIES AND EQUIPMENTS NOW IN USE

Name of Shop	Description	Quant.	Capacity
Electric furnace shop	Electric furnace	3	30t x 1 6t x 2
"	Lime stone roasting furnace	2	3t per day
"	Overhead travelling crane	9	From 100t to 10t
Steel castings shop	High frequency electric furnace	1	0.5t x 2
"	Overhead travelling crane	2	20t,25t
"	Mould drying furnace	3	
"	Air compressor	2	
Iron foundry shop	Electric furnace	3	3t x 1 0.5t x 2
"	Mould drying furnace	4	
"	Air blower	3	
"	Cupola	5	10t x 2 6t x 2 0.5t x 1
"	Air compressor	2	
"	Overhead travelling crane	15	100t to 1.5t
"	Wall crane	2	
"	Reberberator furnace	1	

Total No.of machineries and equipments : 510

Total No.of machineries and equipments now under application for use : 135

Note : Concerning the latter,application for use was sent through Hiroshima Finance Bureau's letter "Hiro Zai No.416" dated 28 April 1950 to Minister of Finance at Tokyo and the code No.of these 135 machineries are as follows:

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

LIST OF CODE NO. OF MACHINERIES NOW WE ARE UNDER APPLICATION FOR USE

11-5(6)-	121	11-5(6)-1994	11-5(6)-4545
	122	2092	4549
	123	2093	4573
	124	2243	4574
	125	2442	4634
	126	2497	4635
	163	2504	4636
	301	2531	4637
	302	2541	4643
	304	2581	4651
	311	2609	4770
	312	3055	4771
	356	3252	4772
	357	3263	4774
	363	3315	4785
	452	3355	4841
	522	3358	4849
	537	3391	4905
	543	3490	4906
	546	3500	4907
	719	3578	5016
	726	3609	5074
	825	3666	5075
	974	3667	5158
	992	3668	5164
	994	3781	5174
	1181	3784	5175
	1387	3812	5176
	1397	3828	5178
	1405	3943	5185
	1408	3945	5247
	1418	3948	5250
	1422	3960	5256
	1429	3969	5257
	1473	3970	5258
	1500	3972	5259
	1503	3986	5260
	1585	3987	5262
	1608	3988	5264
	1714	3989	5265
	1781	4012	5267
	1891	4414	11-9(6)- 27
	1892	4415	28
	1893	4514	
	1941	4518	
	1993	4542	Total No, 135

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

HIROSHIMA FINANCE BUREAU

Mr. Stradley 7 Nov.

Tokyo MITI was hesitating for a long time in which form the application should be submitted to ESS and finally came to the conclusion that it should be done as per herewith attached application in revised form. Tokyo MITI will submit the application to ESS through Reparations Agency, Tokyo on 9 Nov. (Recommendation of MITI is attached herewith too)

Appreciate very much if you would be kind enough to support the application. If you need more copies thereof, it will be sent to you at once.

Yamanaka

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

6 July 1950

TO : Ministry of International Trade and Industry

FROM : Amagasaki Iron and Steel Manufacturing Company

SUBJECT : Application for Continuous Operation of the Steel Plant in the Compound of the Former Kure Navy Yard (11-5(6)) Using Reparation Designated Machinery and Equipment.

Re: AG561 (23 June 1950) ESS/IND,SCAPIN 2103, Memorandum for Japanese Government,Subject; Revision of Scope of Activities in Former Japanese Naval Shipyards.

1. Based on the approval of the Headquarters of the Eighth Army dated 6 May 1946 and that of Headquarters of the 76th Military Government Company dated 13 May 1946 as per attached enclosure No.1 and 2,we are since then manufacturing mainly steel ingots,steel,iron and alloy castings and others.

2. The output of our works from April 1946 to June 1950 and those of latest 6 months are as per attached enclosure No.3.

3. Now we are employing 800 workers and all of them are eargerly hoping to continue the present production activities.

4. Main machineries and equipments now we are authorized to use are as per attached enclosure No.4.

5. It is earnestly desired that the Japanese Government would be good enough to get the approval of the General Headquarters,Supreme Commander for the Allied Powers for this application to continue our production activities.

Y.Chiba
President of
Amagasaki Iron & Steel
Manufacturing Company

Attached enclosure:

No.1 AG 004.04 "Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yards" (6 May 46)
No.2 WLH/In "Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard" (13 May 46)
No.3 Output of the Works.
No.4 Main machineries and equipments now in use.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 1

Office of the Commanding General

AG 004.04 (MG) 6 May 1946

SUBJECT: Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : Central Liaison Office, Tokyo

1. Reference is made to letter, file C.L.O.No.94 (ECI), dated 24 April 1946, subject as above.

2. The temporary use of the additional electric furnaces, open hearth furnaces and other forging and casting equipment as requested in the application of the Amagasaki Iron & Steel Manufacturing Company, is approved.

3. This headquarters has informed the commanding officer of the 76th Military Government Company of the action taken by this headquarters and has directed that the Amagasaki Iron and Steel Manufacturing Company be advised that the use of this equipment will not release it from any possible future reparations action and that they will meet the requirement for proper custody and control.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

James H.Nash
1st Lt., CAC
Actg.Asst.Adjutant
General

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 2

WLH/In

HEADQUARTERS
SEMENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 24 (Kure,Honshu)

13 May 1946

SUBJECT: Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : Amagasaki Iron and Steel Mfg.Co.

1. Your request for the temporary use of additional electric furnaces,open hearth furnaces and other forging and casting equipment as specified in your application dated 24 April 46,is hereby approved.

2. The temporary use of this equipment will not in any way affect its status in any possible future reparations actions. You will at all times meet the requirements for proper custody and control.

FOR THE COMMANDING OFFICER:

JOHN D.MONTGOMERY
1st Lt.TC
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 3

LIST OF OUTPUT OF KURE WORKS,
AKAGASAKI IRON & STEEL MFG.CO.

	From April 46 to June 50	From Jan.50 to June 50
Steel ingots	35,990 metric tons	3,689 metric tons
Steel castings	1,572 "	475 "
Iron castings	4,416 "	683 "
Alloy castings	414 "	144 "
Steel forgings	222 "	48 "
Re-rolled steel bars	1,356 "	278 "
Oxygen	801,348 cubic meter	164,758 cubic meter

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 4

REPARATION MACHINES AND EQUIPMENTS NOW IN USE

1. Serial Number List of A.U. and T.O. Machines and Equipments

	Number of machines & Equipments
(A) List of A.U. machines and equipments	337
(B) List of T.O. machines and equipments	288
Total Number	625

2. List of Machines and Equipments discriminated by purose of use

(A) Steel Manufacturing Shop	75
(B) Steel Casting Shop	40
(C) Iron Casting Shop	174
(D) Rolling Mill and Forging Shop	16
(E) Machine Shop	136
(F) Oxygen Shop	24
(G) paper Mill	40
(H) Electric Sub-Station	55
(I) Transportation Shop	65
Total Number	625

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1.(A) List of A.U Machines Now in Use

Code No.	Name	Brief Specification	Maker	Remarks
11-6(6)-				
96	Motor	AC 35 HP 220 V	Kobe Seiko	
111	Motor generator	300 KW 230 V	Sibaura Seisaku	
112	"	"	"	
113	"	"	"	
115	"	DC 390 KW 230 V	"	
117	Transformer	75 KVA 3 ϕ	Osaka Henatsuki	
118	Motor generator	DC 75 KW 120 V	Kosna Seisaku	
128	Transformer	6,000 KVA 3 ϕ	Meidensha	
144	Lathe	Swing 600 mm C. to C. 1,000 mm	Magdeburger Germany	
155	Gearcutting M/C	Max. size of works dia.850 mm H 500mm	Nippon Kikai	
157	"	" dia.540 mm H 250mm	Heinecker Germany	
170	Lathe	Swing 500 mm C. to C. 850 mm	Uroko Seisaku	
206	Turret lathe	Chucking cap 52 mm	Kokusan Seiki	
267	Hydraulic pump	Cap. 0.6 m^3/min.	Komatsu Iron Works	
274	Air compressor	7.7 m^3/min	Ishikawajima Zosen	
275	"	1 "	Toyo Sanso Kikai	
359	Motor	AC 55 HP 220 V	Toyo Denki	
360	Generator	DC 37.5 KW 220 V	"	
361	Drilling M/C	Drilling cap. 50mm	Hirao Iron Works	
391	Grinding M/C	Length of arm 2 m	Kure Navy Yard	
426	Shaper	Stroke 550 MM	Hirao iron works	
428	"	" 840 MM	Nakagawa kikai	
434	Transformer	100 KVA 1 ϕ	Hidachi	
436	"	"	"	
439	"	"	"	
446	Feed pump	Cap. 5 m^3/min.	Hamada iron works	
448	Generator	AC 75 HP 220 V	Yasukawa	
449	Motor	DC 28.5 - 45 KW 220 V	"	
490	Planer	Max. size ofworks L.1.8 W.0.62 H.0.75m	Cincinati planer U.S.A	
526	Slotter	Stroke 165 mm	Platt & Whitney U.S.A	
564	"	" 650 mm	Kendall & Gent England	
569	Lathe	Swing 800 MM C. to C.1,350MM	Hirao iron works	
639	Drilling M/C	Drilling cap. 30 mm	"	
671	Oil separator	Inside size dia.800 mm H 350 mm	Unknown	
725	Locomotive crane	Cap. 5 tons	Ishikawajima Zosen	
753	Lathe	Swing 980 mm C. to C. 1,300mm	Tokyo gas denki	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
767	Drilling M/C	Drilling cap. 30 mm	Hirao iron works	
769	Lathe	Swing 460 mm C. to C. 1,300 mm	Daiko Kikai	
773	"	"	"	
803	(Universal tool) Grinding M/C	Max. size of works 180 x 450 mm	John Horloyd England	
829	Lathe	Swing 830 mm C. to C. 1,035 mm	Heinecker Germany	
831	"	" 460 mm " 1,300 mm	Daiko Kikai	
833	"	"	"	
844	Planer	Max. size ofworks L.4.3m W. 1.68m H. 1.7m	Hulse England	
845	Motor	AC 75 HP	Blus Peoples England	
863	Grinding M/C	Stone dia. 1,250 mm	Kure Navy Yard	
865	"	Table reciprocating Length : 1,300 mm	Tokyo Gas Denki	
867	"	Stone dia. 500 mm	William Sellers U.S.A	
869	(Universal tool) "	Max. size of works dia. 210 L. 900 mm	Heinecker Germany	
870	"	"	"	
871	Grinding M/C	dia. 100 L. 550 mm "	Brown & Sharpe U.S.A	
872	"	dia. 105 L. 700 mm "	"	
876	"	dia. 165 L. 700 mm Double head type	Hulse England	
877	"	Stone dia. 270 mm " 460 mm	"	
887	Transformer	100 KVA 1 ϕ	Kogaku Seisaku	
888	"	"	"	
889	"	"	"	
896	Motor	AC 40 HP. 220 V	Mitsubishi Denki	
897	Generator	DC 34 KW 220 V	"	
898	Shearing M/C	Max. size ofworks W.430 mm thickness 12.5mm	Roku Roku Shoten	
902	Planer	"	Smith & Coventry England	
904	Gear cutting M/C	L.4.0m W. 0.78m H. 1.1m "	J . Parkinson England	
921	Lathe	Dia. 2,600mm H. 265mm Swing 640 mm	Niigata Iron Works	
922	"	C. to C. 4,850 mm " 1,300 mm	Karatsu Iron Works	
924	"	" 4,650 mm "	"	
929	Gear cutting M/C	Max. size of works dia. 770 mm H. 100 mm	Smithe & Coventry England	
933	"	"	Kure Navy Yard	
		dia. 1,000mm H. 100mm		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-8(6)-934	Gear cutting M/C	Max. size of works dia.480 mm H.70 mm	Green Wood U.S.A	
935	Lathe	Swing 630 mm C.to C.1,700 mm	Niigata Iron Works	
938	"	"	"	
939	"	"	"	
940	Boring M/C	Dia. of face plate 700mm Dia. of spindle 100mm	Ikegai Iron Works	
941	Lathe	Swing 630 mm C. to C. 1,700 mm	Niigata Iron Works	
945	"	" 720 mm	"	
		" 1,800 mm		
955	Pressure Gauge testing M/C	0 - 15 kg/cm^2	Mori Keiki	
963	Blower	Cap. 40 m^3/min	Unknown	
968	Steam hammer	Cap. 1.5 ton	Kokura Chintetsuko	
988	Motor	DC 100 HP 220 V	Hidachi Seisaku	
998	Air compressor	Cap. 1.4 m^3/min	Kaji Iron Works	
1005	"	" 0.8 "	Tokyo Denki Kogyo	
1006	Blower	" 30 "	Rikagaku Kenkiusho	
1007	Lathe	Swing 440 mm C. to C. 1,300 mm	Kubota Iron Works	
1008	Drilling M/C	Drilling cap 13 mm	Taihei Denki	
1023	Sand mixer	Cap. 40 kg/icharge	Statt England	
1029	Grinding M/C	Stone dia 200mm AC 1 HP	Hidachi Seisaku	
1030	Electric welder	Cap. 40 KVA	Osaka Henatsuki	
1110	Lathe	Swing 820 mm C.to C.2,250 mm	Hirao Iron Works	
1113	"	" 800 mm	Ikegai Iron Works	
		" 3,600 mm		
1114	"	"	"	
1176	Radial Drilling M/C	Drilling cap. 100mm arm length 1,800mm	"	
1227	Motor	AC 15 HP	Kawakita Denki	
1237	Paper cutting M/C	Cutting size 1,400 mm AC 2 HP	Dainippon Insatsu	
1238	Paper Mfg. M/C	Cap. 190 kg/day	Suzuki Seisaku	
1239	Agitator	" 144 "	"	
1245	Shearing & punching M/C	Max. thickness of works 18 mm DC 20 HP	Unknown	
1247	Lathe	Swing 475 mm C. to C. 1,200 mm	Toa Seisaku	
1248	Locomotive crane	Cap. 5 ton	Kure Navy Yard	
1249	"	" 3 "	Showa Kijuki	
1260	Sand mixer	" 70 kg/icharge	Unknown	
1261	"	"	"	
1262	Motor	AC 20 HP	Ohmo Denki	
1264	Water feed pump	Cap. 76 m^3/hour	Unknown	
1270	Transformer	75 KVA 1 ø	Hidachi Seisaku	
1271	"	"	"	
1273	"	"	"	
1274	"	30 KVA 1 ø	Osaka Henatsuki	
1275	"	"	"	
1276	"	"	"	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
1279	Motor	AC 35 KW 220 V	Kawasaki Zosen	
1280	Motor	AC 35 KW 220 V	Kurosaki Denki	
1281	Generator	DC 30 KW	Mitsuto Denki	
1282	Ditto	Ditto	Ditto	
1283	Transformer	100 KVA 1 φ	Meidensha	
1284	Ditto	Ditto	Ditto	
1286	Ditto	Ditto	Ditto	
1289	Motor	AC 35 HP 220 V	Toba Denki	
1290	Sand mixer	Cap. 0.15 M³/1 charge	Kure Navy Yard	
1291	Ditto	Ditto	Ditto	
1292	Electric welder	Cap. 5 KVA	Hidachi Seisaku	
1293	Ditto	Cap. 20 KW	Osaka Denki	
1295	Pump	Cap. 13 M³/min.	Matsushita Denki	
1296	Electric winch	Cap. 3 tons	Unknown	
1297	Electric welder	Cap. 5 KVA	Hidachi Seisaku	
1303	Turbine pump	Cap. 0.6 M³/min.	Teikoku Kikai	
1304	Electric furnace	Cap. 6 tons/1 charge	Kure Navy Yard	
1305	Ditto	Cap. 6 tons/1 charge	Ditto	
1306	Motor	AC 35HP	Toba Denki	
1309	Elevator	Cap. 15 tons	Kure Navy Yard	
1310	Blower	Cap. 65 M³/min.	Kimiya Seisaku	
1312	Line stone roasting furnace	Cap. 3 tons/day	Kure Navy Yard	
1317	Sand mixer	Cap. 0.35 M³/1 charge	Ditto	
1319	Ditto	Ditto	Ditto	
1320	Ditto	Ditto	Ditto	
1321	Electric furnace	Cap. 3 tons/ 1 charge	Ditto	
1334	Transformer	100 KVA 1 φ	Hidachi Seisaku	
1335	Ditto	Ditto	Ditto	
1336	Ditto	Ditto	Ditto	
1346	Electric furnace	Cap. 30 tons/1 charge	Mitsubishi Denki	
1348	Transformer	1,500 KVA 3 φ	Ditto	
1350	Ditto	6,000 KVA 3 φ	Ditto	
1351	Drilling M/C	Drilling cap. 25 mm	Thos H. Balett U.S.A.	
1352	Grinding M/C	Bench type DC 1 HP	Toa Denki	
1359	Sandpress	Stroke 600 mm Area 130 cm²	Kure Navy Yard	
1360	Sand mixer	Cap. 300 M³/hour	Ditto	
1362	Drying furnace	Inside size L.2.7m W.4.3m H.2.4m	Ditto	
1364	Moulding M/C	Stroke 200 mm	Ditto	
1365	Sand mixer	Cap. 0.35 M³/1 charge	Ditto	
1366	Ditto	Ditto	Ditto	
1368	Ditto	Ditto	Ditto	
1369	Motor	AC 35 HP 420 V	Mitsubishi Zosen	
1502	Boring M/C	Dia. of Bar 101.6 mm	Lucas machine Tool U.S.A.	
1532	Air compressor	Cap. 16 M³/min.	Pensilvania Pump U.S.A.	
1533	Ditto	Ditto	Allias Chalmers U.S.A.	
1586	Drying furnace	Inside size L.5.27m, W.4.7m H.4.3m	Kure Navy Yard	
1594	Electric welder	DC 300 A 25 V	Hidachi Seisaku	
1595	Grinding M/C	Stone size 410 x 45 mm	Unknown	
1600	Drying furnace	Inside size L.7.2m W.4.2m H.5.2m	Kure Navy Yard	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-6(6)-1601	Blower	Cap. 30 M³/min.	Inoue Kinzoku	
1602	Transformer	15 KVA 1 ϕ	Osaka Denatsuki	
1603	Drying furnace	L 7.1 m Inside size H. 4.2m W. 5.1m	Kure Navy Yard	
1604	Transformer	150 KVA 1 ϕ	Osaka Denatsuki	
1605	Ditto	Ditto	Ditto	
1606	Ditto	Ditto	ditto	
1607	Ditto	50 KVA 1 ϕ	Ditto	
1609	Cupola	Cap. 6 ton/hour	Kure Navy Yard	
1610	Ditto	Ditto	Ditto	
1611	Ditto	Cap. 10 ton/hour	Ditto	
1614	Sand mixer	Cap. 0.3 M³/charge	Ditto	
1615	Ditto	Ditto	Ditto	
1616	Ditto	Ditto	Ditto	
1617	Ditto	Ditto,	Ditto	
1618	Ditto	Ditto	Ditto	
1619	Ditto	Ditto	Ditto	
1620	Elevator	Cap. 10 tons	Ditto	
1621	Motor	AC 80 HP 2,000 V	Shibaura Seisaku	
1626	Grinding machine	Double head type, stone dia. 180 mm	Unknown	
1627	Motor	AC 10 HP, 220 V	Hidachi Seisaku	
1628	Radial drilling machine	Cap. 25 mm	Souhey paris. France	
1629	Lathe	Swing 550 mm, C. to C. 1,630 mm	James Spencer England	
1630	Blower	Cap. 250 M³/min AC 75 HP	Kure Navy Yard	
1632	Drilling machine	Drilling cap. 19 mm	Unknown	
1633	Air compressor	Cap. 14 M³/min.	Inger soll-rand,U.S.A.	
1634	Blower	Cap. 150 M³/min.	Thwaits Brothers	
1636	Electric furnace	500 kg/charge	Detroit U.S.A.	
1637	Ditto	Ditto	Shibaura Seisaku	
1639	Sawing machine	Saw dia. 2,290 mm	Newton Philadelphia U.S.A.	
1640	Ditto	Saw dia. 1,570 mm	Ditto	
1643	Oil separator	Cap. 0.084 M³/min.	Hidachi Seisakusho	
1644	Transformer	150 KVA, 1 ϕ	Shibaura Seisaku	
1645	Ditto	50 KVA, 1 ϕ	Osaka Denatsuki	
1646	Ditto	Ditto	Ditto	
1647	Ditto	Ditto	Ditto	
1652	Generator	DC 120 KW	Mitsubishi Denki	
1654	Overhead travelling crane	Cap. 20 tons	Ishikawajima Zosen	
1655	Ditto	Cap. 100 tons 20 tons	Hidachi Seisaku	
1680	Transformer	600 KVA, 1 ϕ	Mitsubishi Denki	
1681	Ditto	Ditto	Ditto	
1682	Ditto	Ditto	Ditto	
1683	Ditto	Ditto	Ditto	
1830	Heating furnace	Inside size L 1.5 m W. 1.0m H. 0.65m	Kure Navy Yard	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-8(6)-				
1870	Grinding machine	Stone dia. 1,100 mm	Hulse England	
1871	Motor	AC 25 HP 220 V	Yasukawa Denki	
1882	Motor	AC 5 HP 200 V	Fuji Denki	
1883	Saw sharpening machine	Grinding length 80 mm	T.Robinson England	
1889	Motor	AC 25 HP 220 V	Yasukawa Denki	
1890	Transformer	100 KVA 1 φ	Meidensha	
1951	Pump	Cap. 0.5l/min.	Unknown	
2016	Overhead travelling crane	Cap. 30T, 20T	Ishikawajima Zosen	
2060	Ditto	Cap. 3 tons	Ajigawa Iron Works	
2061	Ditto	Cap. 5 tons	Ishikawajima Zosen	
2062	Ditto	Cap. 35 tons, 7 tons	Ditto	
2078	Ditto	Cap. 15 tons	Hidachi Seisakusho	
2079	Ditto	Cap. 20 tons, 5 tons	Kijuki Seizo	
2084	Ditto	Cap. 25 tons, 8 tons	Ishikawajima Zosensho	
2085	Ditto	Cap. 20 tons	Kure Navy Yard	
2089	Ditto	Cap. 20 tons, 5 tons	Craven Brothers England	
2100	Ditto	Cap. 1.5 tons	Ishikawajima Zosensho	
2101	Ditto	Ditto	Ditto	
2102	Ditto	Cap. 45 tons, 15 tons	Ditto	
2103	Ditto	Ditto	Kure Navy Yard	
2104	Ditto	Cap. 10 tons	J.Joseph Boothes Brothers England	
2105	Ditto	Cap. 25 tons 10 tons	J.Joseph Boothes Brothers England	
2106	Ditto	Cap. 10 tons	Same as above	
2107	Ditto	Cap. 45 tons 15 tons	Ditto	
2108	Ditto	Cap. 25 tons 10 tons	Ishikawajima Zosensho	
2109	Ditto	Ditto	Armstrong England	
2110	Ditto	Cap. 3 tons	Ishikawajima Zosensho	
2111	Ditto	Cap. 5 tons	Ditto	
2112	Ditto	Cap. 1.5 tons	Kure Navy Yard	
2135	Wharf crane (Coal unloader)	Cap. 150 tons/hour	Ishikawajima Zosensho	
2136	Ditto	Cap. Ditto	Ditto	
2138	Locomotive crane	Cap. 10 tons	Unknown	
2140	Ditto	Cap. 5 tons	Kure Navy Yard	
2141	Ditto	Cap. 5 tons	Unknown	
2143	Ditto	Cap. 5 tons	Hidachi Seisakusho	
2145	Wharf crane	Cap. 40 tons	Unknown	
2146	Ditto	Cap. 20 tons	Ishikawajima Zosensho	
2147	Ditto	Cap. 15 tons	John Willson England	
2150	Steam locomotive	Cap. 9.85 tons	Nippon Sharyo	
2157	Air compressor	Cap. 10 M³/min. AC 200 HP	Toyo Sanso Kikai	
2328	Milling machine	Table travel, L.500 mm, W. 250 mm H. 460 mm	Tateyama Jukogyo	
2307	Gear cutting machine	Max. size of works, dia. 1,000 mm B. 100 mm	Schuchardt Schutte, Germany	
2309	Heating furnace	Inside size, L. 0.75 m, W. 0.65 m, H. 0.25 m	Kure Navy Yard	
2318	Motor	AC 200 HP, 2,000V	Hidachi Seisakusho	
2489	Paper rolling machine	Cap. L. 3,350 mm W. 2,400 mm	Suzuki Seisaku	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-6(6)-				
2491	Pump	Cap. 90 ton/hour	Unknown	
2502	Feed pump	Cap. 55 l/min.	Ditto	
2505	Generator	AC 333 KW	General Electric U.S.A.	
2506	Motor	AC 535 HP 2,300 V	Ditto	
2532	Motor	AC 5 HP, 220 V	Yasukawa Denki	
2539	Motor	AC 10 HP 220 V	Ditto	
2540	Motor	Ditto	Fuji Denki	
2777	Air compressor	Cap. 21.5 M³/min.	Chicago Pneumatic Tool Co. U.S.A.	
2778	Motor	80 HP 400 V	Suzuki Shoten	
2786	Motor	AC 75 KW, 200 V	Hidachi Seisakusho	
2787	Motor	AC 110 KW, 2,000 V	Chuo Denki	
2792	Motor	DC 44 HP, 220 V	Kosano Seisaku	
2795	Motor	DC 25 HP, 220 V	Kure Navy Yard	
2796	Oil separator	Cap. 84 l/min	Hidachi Seisakusho	
2798	Transformer	400 KVA, 1 ϕ	Mitsubishi Denki	
2874	Lathe	Swing 360 mm C. to C. 600 mm	Toa Kinzoku	
3040	Grinding machine	Stone dia. 240 mm	Kure Navy Yard	
3221	Rotary disc, Sharing machine	Max. works size W 650 mm Thickness 2 mm	A.C.Campell	
3222	Overhead travelling crane	Cap. 10 tons	Morgan England	
3230	Hydraulic press	Cap. 200 tons	Kure Navy Yard	
3247	Overhead travelling crane	Cap. 60 tons 20 tons	Ishikawajima Zosensho	
3302	Steam locomotive	Cap. 4.5 tons	Hidachi Seisakusho	
3314	Motor	AC 15 KW, 220 V	Chuo Denki	
3351	Overhead travelling crane	Cap. 5 tons	Hidachi Seisaku	
3353	Locomotive crane	Cap. 5 tons	Kure Navy Yard	
3357	Overhead travelling crane	Cap. 5 tons	Hidachi Seisakusho	
3505	Centrifugal pump	Cap. 18.9 l/min.	Hasegawa Pump K.K.	
3506	Scrap crusher	Falling weight 3.7-5 tons	Kure Navy Yard	
3550	Feed pump	Cap. 600 l/min, AC 25 HP	Shindo Seisaku	
3583	Overhead travelling crane	Cap. 10 tons	Unknown	
3584	Ditto	Cap. 20 tons, 5 tons	Kure Navy Yard	
3585	Ditto	Ditto	Nippon Kijuki	
3586	Ditto	Cap. 15 tons, 5 tons	Craven Brothers England	
3587	Ditto	Cap. 20 tons	Kure Navy Yard	
3589	Ditto	Cap. 100 tons, 30 tons	Craven Brothers England	
3595	Ditto	Cap. 15 tons, 5 tons	Ishikawajima Zosen	
3597	Ditto	Cap. 5 tons	Sumitomo Kikai	
3598	Ditto	Ditto	Ditto	
3606	Ditto	Cap. 9.5 ton	Hidachi Seisakusho	
3611	High frequency electric furnace	Cap. 500 kg/charge x 2	Ajax U.S.A.	
3626	Electric winch	Cap. 3 tons	Clarke Champion England	
3627	Ditto	Cap. 1 ton	Kure Navy Yard	
3632	Ditto	Cap. 3.6 tons	Ditto	
3634	Oxygen compressor	Cap. 1 2/3 M³/min. AC 75 HP	Root Wick Spark	
3642	Centrifugal pump	Cap. 1 M³/min. DC 10 HP	Mitsubishi	
3644	Oxygen compressor	Ratio of expansion, 30-4.5 kg/cm²	Toyo Sanso	
3663	Transformer	20 KVA 1 ϕ	Osaka Denatsuki	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
3664	Transformer	20 KVA 1 ϕ	Osaka Denki Kenatsuki	
3665	Ditto	Ditto	Ditto	
3672	Ditto	10 KVA 1 ϕ	Hidachi Seisaku	
3673	Ditto	Ditto	Ditto	
3676	Ditto	Ditto	Shibaura Seisaku	
3677	Ditto	Ditto	Ditto	
3678	Ditto	15 KVA 1 ϕ	Hidachi Seisaku	
3679	Ditto	Ditto	Ditto	
3680	Ditto	Ditto	Ditto	
3681	Ditto	30 KVA 1 ϕ	Osaka Kenatsuki	
3682	Ditto	Ditto	Ditto	
3683	Ditto	Ditto	Ditto	
3684	Ditto	20 KVA 1 ϕ	Ditto	
3685	Ditto	Ditto	Ditto	
3686	Ditto	Ditto	Ditto	
3688	Ditto	30 KVA 1 ϕ	Ditto	
3689	Ditto	Ditto	Ditto	
3690	Ditto	Ditto	Ditto	
3693	Ditto	15 KVA 1 ϕ	Naigai Kenatsuki	
3694	Ditto	Ditto	Ditto	
3700	Ditto	10 KVA 1 ϕ	Hidachi Seisaku	
3749	Line shaft	Dia. 75 mm L. 21.0m	Kure Navy Yard	
3786	Hoist	1 ton	Hidachi Seisaku	
3788	Ditto	3 tons	Tokyo Gas Denki	
3801	Ditto	Ditto	Hidachi Seisaku	
3802	Ditto	Ditto	Ditto	
3805	Ditto	2 tons	Ditto	
3814	Flat car	Max. load 110 tons	Unknown	
3815	Ditto	Ditto	Ditto	
3817	Ditto	Max. load 50 tons	Ditto	
3819	Ditto	Ditto	Ditto	
3820	Ditto	Ditto	Ditto	
3822	Ditto	Ditto	Ditto	
3827 > 3874	Electric car	Max. load 2 tons	Kobe Seiko	
3875	Ditto	" 2 tons	Ditto	
3877	Ditto	" 1.5 2 tons	Ditto	
3878	Ditto	" 2 tons	Nippon Yusoki	
3879	Ditto	" 2 tons	Kobe Seiko	
3897	Boat	Weight 4 tons 10 HP, diesel engine	Unknown	
3900	Cargo boat	Weight 9 tons 20 HP, diesel engine	Ditto	
11-9(6)-				
13	Shaper	Stroke 600 mm	Tsuchiya koki	
14	Milling machine	Table travel L.550 mm H. 280 mm H. 550 mm	Tokyo Gas Denki	
17	Lathe	Swing 440 mm C. to C. 800 mm	Ota Iron works	
24	Grinding machine	Stone dia. 360 mm	Unknown	

TOTAL 307

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1. (B). List of T.O. Machines

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-121	Electric Condenser	250 KVA 2,200 V	Sumitomo Denki Seisakusho	
122	Reactor	500 KVA 2,200 V	Ditto	
123	Ditto	Ditto	Ditto	
124	Electric Condenser	250 KVA 2,200 V	Ditto	
125	Ditto	Ditto	Ditto	
126	Ditto	Ditto	Ditto	
163	Gear hobber	Max. dia of works 560 MM	Kunitomo Iron Works	
301	Double housing drilling M/C	Drilling cap. 100 MM	Niigata Iron Works	
302	Ditto	Ditto	Ditto	
304	Horizontal boring M/C	Dia. of boring bar 205 mm	Asquith William (England)	
311	Turning planer (portable)	Movable type Swing 5,600 mm	Mitsubishi Zosensho	
312	Double housing planer	Max. size of works L.9.15m W.4.70m H.2.43m	Ikegai Iron works	
356	Radial drilling M/C	Drilling cap. 32 mm	Hirao Iron works	
357	Ditto	Ditto	Ditto	
363	Ditto	Ditto	Ditto	
452	Air compressor	Cap. 164 M³/min.	Hidachi Seisakusho	
522	Grinding M/C	Movable type 5 HP	Kure Naval Arsenal	
537	Vertical milling M/C	Table travel 620 x 290 x 500 mm	Hidachi Seisakusho	
543	Jig borer	Dia. of spindle 80 mm	Genevoise (Switzerland)	
546	Upright drilling M/C	Drilling Cap. 30 mm	Hiro Iron Works	
719	Horizontal boring M/C	Dia. of boring bar 126 mm	Nomura Seisakusho	
726	Locomotive Crane	Cap. 5 tons	Tokyo Fuksagawa Zosensho	
825	Lathe	Swing 460 mm C. to C. 1,300 mm	Daiko Kikai Seisakusho	
974	Blower	Cap. 6.7 M³/min.	Daito Kogyo K.K.	
992	Motor	AC 40 KW	Mitsubishi Denki Seisakusho	
994	Motor	AC 20 HP	Ditto	
1181	Shaper	Stroke . 350 mm	Chiba Seisakusho	
1387	Electric winch	Cap. 2 tons	Mitsubishi Denki Seisakusho	
1397	Lathe	Swing 730 mm C. to C. 9,770 mm	Niigata Iron Works	
1405	Vertical lathe	Table dia. 5,450 mm	Karatsu Iron Works	
1408	Lathe	Swing 2,000 mm C. to C. 9,000 mm	Wagner (German)	
1418	Lathe	Swing 1,240 mm	Kratsu Iron Works	
1422	Double housing planer	Max. Size of works L.6.1m W.1.9m H.2.7m	Cincinati planing (U.S.A)	
1429	Slotter	Stroke 1,00 mm	Newton (U.S.A)	
1473	Radial drilling M/C	Drilling cap. 44 mm Length of arm 2,920 mm	Kolbu (Germany)	
1475	Gear cutting M/C	Max. size of works Dia. 850 mm face 210 mm	Robe, Smith (England)	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-6(6)-1500	Horizontal Boring M/C	Dia. of boring bar 150 mm	Ikegai Iron Works	
1503	Ditto	Surfacer plate Dia. of surface 1,520 mm	Lucas machine Tool (U.S.A)	
1585	Drying furnace	Inside size L.9.1m W.7.45m H.6.6m	Kure Naval Arsenal	
1608	Cupola	Cap. 6 tons/hour	Thwaits Brothers (England)	
1714	Motor	DC. 14 HP	Lancashire (England)	
1781	Motor	AC. 10 HP	Yasukawa Denki Seisakusho	
1891	Transformer	1 ph 100 KVA	Meidensha	
1892	Ditto	Ditto	Ditto	
1893	Ditto	Ditto	Ditto	
1941	Lathe	Swing 610 mm C to C 1,100 mm	Reinecker (Germany)	
1993	Transformer	1ph 50 KVA	Hidachi Seisakusho	
1994	Ditto	Ditto	Ditto	
2092	Overhead travelling crane	Lifting ca. 25 tons	Ishikawajima Zosensho	
2093	Ditto	Ditto 30 tons	Ditto	
2243	Motor	AC. 250 KVA	Hidachi Seisakusho	
2442	Horizontal Boring M/C	Dia. of boring bar 150 mm	Niles Bement (England)	
2497	Motor	AC. 10 HP	Meiji Denki Seizo K.K.	
2504	Drying furnace	Inside size L.5.0m W.4.0m H.3.0m	Kure Naval Arsenal	
2531	Motor	AC. 7 HP	Matsushita Denki Seisakusho	
2541	Motor	AC. 5 HP	"	
2581	Vertical lathe	Table dia. 5,800 mm	Johm hetherington Song (England)	
2609	External Cylindrical Grinder	Swing 550 mm C. to C. 6,500 mm	Norton (U.S.A)	
3055	Lathe	Swing 400 mm C. to C. 2,500 mm	Pratt & Whitney (U.S.A)	
3252	Crane, Overhead travelling	Lifting Cap. 35 tons	Ishikawajima Zosensho	
3256	Crane, "	Ditto	Vanchan & Son (England)	
3263	Impact tester	Izot, Cap. 16.6kg-M	W&T Avery (England)	
3315	Double housing planer	Max. size of works L.6.0m W.2.0m H.1.6m	Kubota Ironworks	
3355	Overhead Travelling crane	Lifting Cap. 5 tons	Hidachi Seisakusho	
3358	Ditto	Ditto	Ditto	
3391	Special planer	Max. size of works L.2.6m W.0.2m H.1.1m	Thomas Shanks (England)	
3490	Fler tube boiler	Working pressure 6 kg/cm²	Unknown	
3500	Hardness tester	Shore type	Instruments & Mfg. Co. (U.S.A)	
3578	Electric winch	Cap. 5 tons	Atlas (Germany)	
3609	Ditto	Ditto	Kure Naval Arsenal	
3666	Transformer	1 ph 30 KVA	Osaka Henatsuki K.K.	
3667	Ditto	Ditto	Ditto	
3668	Ditto	Ditto	Ditto	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification		Maker	Remarks
11-5(6)-3751	Electric winch	Cap.	3 tons	Mitsubishi Denki Seisakusho	
3784	Ditto	Ditto	3 tons	Ditto	
3812	Electric hoist	Ditto	2 tons	Hidachi Seisakusho	
3828	Flat car	Cap.	15 tons	Kure Naval Arsenal	
3876	Electric car	Cap.	2 tons	Toba Seisakusho	
3943	Surface plate	Size L x W x H 4.1m x 1.9m x 0.65m		Osaka Chuzo K.K)	
3945	Ditto	Ditto		Ditto	
3948	Ditto	4.0m x 3.5m x 0.7m Ditto		Ditto	
3960	Ditto	Ditto		Kure Naval Arsenal	
3962	Ditto	2.14m x 1.53m x 0.14m Ditto		Ditto	
3963	Ditto	3.05m x 1.85m x 0.45m Ditto		Ditto	
3964	Ditto	2.65m x 2.4m x 0.15m Ditto		Ditto	
3965	Ditto	0.91m x 0.54m x 0.09m Ditto		Ditto	
3966	Ditto	Ditto		Ditto	
3968	Ditto	0.90m x 0.54m x 0.06m Ditto		Ditto	
3969	Ditto	0.92m x 0.54m x 0.06m Ditto		Ditto	
3970	Ditto	0.91m x 0.61m x 0.06m Ditto		Ditto	
3972	Ditto	0.92m x 0.54m x 0.09m Ditto		Ditto	
3986	Ditto	0.93m x 0.61m x 0.06m Ditto		Ditto	
3987	Ditto	3.0m x 3.65m x 0.49m Ditto		Ditto	
3988	Ditto	4.65m x 3.0m x 0.49m Ditto		Ditto	
3989	Ditto	5.55m x 4.0m x 0.5m Ditto		Ditto	
4003	Ditto	Ditto		Unknown	
4004	Ditto	1.6m x 1.1m x 0.3m Ditto		Ditto	
4011	Ditto	3.9m x 2.6m x 0.6m Ditto		Kure naval Arsenal	
4012	Ditto	2.46m x 1.0m x 0.125m Ditto		Ditto	
4113	Transformer	1.0m x 1.0m x 0.18m 3 ph. 50 KVA		Osaka Denatsuki	
4322	Pump	Cap. 160 l/min. press. 6 kg/cm²		Unknown	
4334	Air bottle	Volume 1,500 L. press. 7 kg/cm²		Kure Naval Arsenal	
4335	Ditto	Volume 1,575 L. press. 20 kg/cm²		Demak (Germany)	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-3(6)-				
4339	Heating furnace	Inside size L.0.28m W.0.3m H.0.1m	Kure Naval Arsenal	
4342	Pump	Cap. 27 tons/min. AC. 3 HP	Unknown	
4343	Pump	Cap. 27 tons/min. AC. 3 HP	Ditto	
4344	Transformer	3 ph. 5 KVA	Hidachi Seisakusho	
4345	Electric panel		Inoue Denki	
4346	Ditto		Ditto	
4347	Ditto		Unknown	
4348	Platform balance	Cap. 0.5 ton	Kure Naval Arsenal	
4349	Ditto	Ditto	Unknown	
4351	Ditto	Cap. 0.1 ton	Ditto	
4352	Drilling (portable)	Cap. 23 mm AC. 1.5 HP	Ditto	
4353	Ditto	Ditto	Ditto	
4356	Electric grinder (portable)	DC 1 HP	Ditto	
4358	Pump	Cap. 150 tons/min. AC. 20 HP	Ditto	
4380	Shaft	Size Dia. 100mm, L. 6,700mm	Kure Naval Arsenal	
4381	Shaft	Dia. 100mm, L. 5,700mm	Ditto	
4388	Electric grinder (portable)	DC. 1 HP	Unknown	
4390	Pump	Cap. 20 tons/hour	Ditto	
4397	Boiler	Drum size Dia. 0.8 m L. 4.0 m	Ditto	
4403	Jib crane	Cap. 2 tons	Kure Naval Arsenal	
4404	Ladle	Volume 500 kgs	Ditto	
4405	Ladle	Ditto	Ditto	
4409	Electric grinder (portable)	1.5 HP	Toa Denki	
4410	Ditto	1.5 HP	Mizuho Seisakusho	
4412	Battery locomtive	Cap. 78 tons	Unknown	
4414	Water feed pump	Cap. 0.59 M^3/min.	Ditto	
4415	Ditto	Worthington type Cap. 117 l/min.	Kure Naval Arsenal	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
4438	Balance	Cap. 20 tons	Unknown	
4439	Car	Cap. 5 tons	Ditto	
4440	Car	Ditto	Ditto	
4441	Car	Ditto	Ditto	
4442	Car	Ditto	Ditto	
4443	Car	Ditto	Ditto	
4444	Car	Ditto	Ditto	
4445	Car	Ditto	Ditto	
4446	Car	Ditto	Ditto	
4447	Car	Ditto	Ditto	
4448	Car	Ditto	Ditto	
4450	Balance	Cap. 100 kgs	Ditto	
4451	Hand press	Tons pressure 2 tons	Ditto	
4457	Electric grinder (portable)	AC. 1/2 HP 100 V	Mizuho Seisaku	
4459	Spring balance	Cap. 5 tons	Nishida Co.	
4463	Boiling water tank	Volume 700 kgs	Kure Naval Arsenal	
4464	Platform balance	Cap. 20 tons	Unknown	
4465	Ditto	Ditto	Ditto	
4466	Hoist	Cap. 1 ton	Ditto	
4468	Balance	Cap. 60 tons	Sato Seisakusho	
4469	Platform balance	Cap. 1 ton	Unknown	
4470	Ditto	Ditto	Suzuki Shōkai	
4471	Ditto	Cap. 0.5 ton	Moriya Shokai	
4472	Ditto	Cap. 0.12 ton	Sato Seisakusho	
4475	Band saw Sharpener	Band Saw wheel dia. 550 mm	Kure Naval Arsenal	
4476	Air tank	Volum 10.2 M³ pressure 5.5 kg/cm²	Ditto	
4477	Ditto	Ditto Ditto	Ditto	
4478	Ditto	Volum 9.5 M³ pressure 5.5 kg/cm²	Ditto	
4480	Drilling (portable)	Cap. 22 mm AC 1.5 HP	Mizuho Seisakusho	
4481	Electric grinder (portable)	AC 1/2 HP	Unknown	
4482	Ditto	Ditto	Ditto	
4483	Motor	AC 5 HP	Hidachi Seisakusho	
4484	Resistance box	10 and 20 ohm	Kure Naval Arsenal	
4485	Electric hoist	Cap. 1 ton	Meidensha	
4486	Motor	AC 15 HP	Tōyō Denki	
4487	Motor	AC 3 HP	Ditto	
4488	Motor	AC 3 HP	Unknown	
4490	Cupola	Cap. 1,000 kgs/hour	Kure Naval Arsenal	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
4494	Pump	Cap. 50 l/min. AC. 3 HP	Unknown	
4496	Electric hoist	Cap. 1 ton	Hidachi Seisakusho	
4498	Ditto	Ditto	Ditto	
4500	Ditto	Ditto	Ditto	
45 1	Chemical balance	Cap. 200 g	Moriya Shōkai	
4502	Ditto	Ditto	Ditto	
4506	Chemical balance	Ditto	Ditto	
4509	Table balance	Cap. 1,000g	Unknown	
4510	Ditto	Cap. 5 kgs	Ditto	
4511	Barometer	Range 690-830 mm(Mercury Column)	Baird Tatloch Suzuki Shokai	
4512	Ditto	Range 650-820 mm(Mercury Column)		
4514	Thermo-electric pyrometer	Measuring range 0 - 550°C	Hokushin Seisakusho	
4518	Ditto	Ditto 0 - 1,600°C	Ditto	
4522	Pyrometer	Range 0 - 19 M.V.	Ditto	
		Temp 0 - 1,600°C		
4524	Voltmeter	Range 0 - 150 V	Unknown	
		0 - 15 A		
4526	A.C. Ammeter	Ditto 0 - 15 A	Y.E.W. (Japan)	
4527	Potentiometer	Ditto 1.4 V	Shimazu Seisakusho	
4529	Microscope	Magnification 30 - 1,320	Yashima Co..	
4531	Flashing point tester	Renge 50°C over	Unknown	
4532	Ditto	Ditto 50°C Below	Shimazu Seisakusho	
4533	Viscosimeter	Redwoods-Standard	Ditto	
4534	Flashing point tester	Range 50°C - 200°C	Ditto	
4541	Sieves	Mesh range 90 - 270	Unknown	
4542	Sieve Vibrator	No. of stroke 120/min. 1/4 HP	W.S.tyler (U.S.A)	
4543	Hardness tester	Shore 10 - 140	Akashi Co.	
4544	Ditto	Brinell, Cap. 3,000kgs	Aktibolaget Alpha	
4545	Edge runner	Cap. 1 kg (one charge)	Sanko Kogyo	
4546	Electric furnace (for analysis)	Max. temp. 1,200°C	Hattri Denki	
4547	Ditto	Ditto	Shimazu Seisakusho	
4548	Drying oven	Temp. 20 - 150°C 100 V	Ditto	
4549	Electric-Silicate furnace tube	Max. temp. 1,400°C	Ditto	
4550	Electric furnace (for analysis)	Max. temp. 1,400°C	Ditto	
4558	Transformer	1 ph 5 KW	Hattri Denki	
4559	Ditto	1 ph 2 KW	Unknown	
4560	Vacuum pump	Cap. 6 l/min. AC. 1/4 HP	Chino Seisakusho	
4561	Vacuum manometer		Unknown	
4562	Electric water bath	100 V 12 A	Shimazu Seisakusho	
4564	Thermometer	Range -25~+55°C	Ota Co.	
4565	Ditto	Range -30~+60°C	Unknown	
4566	Ditto	Range -0.5~+6.5°C	Ditto	
4567	Pyrometer	Range -0.7~+1.5°C	Ditto	
4568	Hydrometer	Range +1,120-1,780 deg	Ditto	
4569	Ditto	Range +1,000-1,700 deg	Ditto	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-8(6)-				
4571	Switch board	250 V. 75 A.	Unknown	
4572	Ditto	Ditto	Ditto	
4573	Moulding sand rammer	Rammer weight 8 kgs	Sanko Kogyo	
4574	Rotar, moulding sand washer	Cylinder Volume 1,200 c.c.	Ditto	
4577	Surface plate	Size L. 1,850 mm W. 1,050 mm H. 170 mm	Kure Naval Arsenal	
4579	Winch	Cap. 5 tons	Unknown	
4580	Oil jack	Cap. 100 tons	ditto	
4581	Magnet bell	100 V 50,000 ohm	Nippon Denki	
4582	Megger	1,000 V 0-200 Megohm	Yokogawa Denki	
4583	Drilling (portable)	Cap. 10 mm	Mizuho Seisakusho	
4584	Voltmeter	DC. 0-3v and 0-150v	Nippon Denki	
4585	Ditto	DC. 3-150v and 250-500v	Yokogawa Denki	
4586	Capstan	Drum size Dia. 200 mm H. 350 mm	Kure Naval Arsenal	
4587	Transformer	1 ph. 10 KVA	Hidachi Seisakusho	
4588	Controling panel		Inoue Denki Seisakusho	
4589	DC. Panel		Unknown	
4591	Electric grinder (portable)	AC. 1 HP	Hidachi Seisakusho	
4592	Battery	(2V. 455 AH) x 92	Yuasa Seisakusho	
4594	Controling panel		Unknown	
4595	Ditto		Shibaura Denki	
4596	Chocking Coil	Cap. 11,000 V	Ditto	
4597	Electric grinder (portable)	AC. or DC 1/4 HP	Toa Denki	
4598	Motor	DC. 0.27 HP, 30-220 V., 1470-1650 r.p.m.	Nagasaki Zosen	
4599	Electric Siren	15 HP, 220V. 3425 r.p.m.	Osaka Bouki Kogyo	
4600	Controling panel		Yachiyo Denki	
4601	Transformer	1 ph. 30 KVA	Hidachi Seisakusho	
4602	Ditto	1 ph. 30 KVA	Ditto	
4603	Ditto	1 ph. 30 KVA	Ditto	
4607	Ditto	1 ph. 3 KVA	Naigai Henatsuki	
4608	Ditto	1 ph. 3 KVA	Shibaura Denki	
4634	permeability tester	A.F.A type - air flow used for dry sand. green sand	Sankai Chuki Seisakusho	
4635	Apparatus for strength of moulding sand	Rammer Weight . 10 kgs	Oda Keiki Seisakusho	
4636	Compression tester for moulding sand	Max. load . 8 kgs	Unknown	
4637	Strength tester for moulding sand	Max. load . Compression 50 kgs Shear 35 kgs	Taiyo Chuki Seisakusho	
4642	Hardness Tester	Rock well. Cap. 150 kgs	Akashi Seisakusho	
4643	Grinding M/C for analysis room	1/2 HP	Unknown	
4651	Agate Mortar	Size Dia. 150 mm H. 90 mm	Ditto	
4751	Pump	Cap. 2.5 tons/hour, AC 15 HP	Unknown	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
4770	Line Shaft	Dia. 90 mm L. 16, 40 mm	Kure Naval Arsenal	
4771	Fire tube boiler	Working pressure . .6 kg/cm²	Ditto	
4772	Water feed pump	Cap. 0.25 tons/min	Yasukawa Denki	
4774	Hoist	Cap. 1 ton	Hidachi Seisakusho	
4785	Water feed pump	Cap. 0.09 m³/min	Ebara Seisakusho	
4793	Chimney	Size. Dia. 0.6m, H. 15 m	Kure Naval Arsenal	
4838	Electric Welder	AC. 37 KVA 300 A	Hidachi Seisakusho	
4841	Transformer	1 ph 1 KVA	Shibaura Denki	
4849	Ditto	Ditto 3 KVA	Ditto	
4905	Surfaceplate	Size . L x W x H 3.6m x 2.1m x 0.4m	Kure Naval Arsenal	
4906	Ditto	Size 3.6m x 2.5m x 0.35m	Ditto	
4907	Ditto	Size 3.6m x 3.6m x 0.75m	Ditto	
4999	Grinding M/C	AC. 2 HP	Mizuho Seisakusho	
5016	Flat Car	Cap. 5 tons	Kure Naval Arsenal	
5061	Oil Barge	Gross tonnage 55 tons	Ditto	
5074	Motor	AC. 30 HP	Meidensha	
5075	Motor	AC. 30 HP	Ditto	
5158	Motor	AC. 15 HP	Yasukawa Denki	
5164	Motor	AC. 10 HP	Ditto	
5174	motor	AC. 15 HP	Ditto	
5175	Motor	AC. 15 HP	Ditto	
5176	Motor	AC. 15 HP	Ditto	
5178	Motor	AC. 30 HP	Fuji Denki	
5185	Motor	DC. 10 HP	Dick-Kerr (England)	
5247	Acetylene Gas generator	Cap. 20 kgs/one charge	Eba Shoten	
5250	Drying furnace	Inside size L.8.3m x W.4.6m x H.4.4m	Kure Naval Arsenal	
5256	Platform balance	Cap. 0.5 ton	Sato Seisakusho	
5257	Ditto	Cap. 0.5 ton	Sumida Seisakusho	
5258	Ditto	Cap. 10 tons	Hooley & Son (England)	
5259	Ditto	Cap. 1 ton	Sumitomo Seisakusho	
5260	Lifting magnet	Cap. 5 tons	Unknown	
5262	Transformer	5 KVA	Meidensha	
5264	platform balance	Cap. 1.5 tons	Unknown	
5265	Ditto	Cap. 60 kgs	Unknown	
5267	Flat Car	Cap. 2 tons	Kure Naval Arsenal	
5274	Heat treating furnace	Inside Size L.2.1m, W.1.9m, H.1.0m	Amagasaki Seitetsu	
5275	Reverberatory furnace	Cap. 15 tons	K.K. Kure Factory	
11-9(6)-			Ditto	
27	Impact tester	Sharpy 30 kg-M	Maekawa Shikenki	
28	Universal tester	Amsler 50 tons	Tokyo Koki Seisakusho	

TOTAL 488

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (A) Machines and Equipment for Steel manufacturing shop

Code No.	Name	Brief Specification	Maker	Remarks
11-3(6)-				
848	Motor	AC 75 HP	Blus peoples (England)	A.U
1303	Turbine pump	Cap. 0.6 M³/min,	Teikoku Kikai	A.U
1304	Electric furnace	Cap. 5 tons/1 charge	Kure naval Arsenal	A.U
1305	Ditto	Ditto	Ditto	A.U
1306	Motor	AC 35 HP	Toba Denki	A.U
1309	Elevator	Cap. 15 tons	Kure Navy Yard	A.U
1310	Blower	Cap. 65 M³/min,	Kimiya Seisaku	A.U
1312	Lime Stone Roasting furnace	3 tons/day	Kure Navy Yard	A.U
1317	Sand mixer	Cap. 0.35 M³/1 charge	Ditto	A.U
1319	Ditto	Cap. 0.35 M³/1 charge	Ditto	A.U
1320	Ditto	Ditto	Ditto	A.U
1334	Transformer	100 KVA 1 ph,	Hidachi Seisaku	A.U
1335	Ditto	Ditto	Ditto	A.U
1336	Ditto	Ditto	Ditto	A.U
1346	Electric furnace	Cap. 30 tons/1 charge	Mitsubishi Denki	A.U
1348	Transformer	1,000 KVA 3 ph,	Ditto	A.U
1351	Drilling M/C	Drilling cap. 25 mm	Thos H.Ballett (U.S.A)	A.U
1352	Grinding M/C	Bench type D.C. 1 HP	Toa Denki	A.U
1359	Hand press	Stroke 600 mm	Kure N vy Yard	A.U
1360	Sand mixer	Cap. 300 M³/hour	Ditto	A.U
1362	Drying furnace	Inside size L. 2.7m, W. 4.5m, H. 2.4m	Ditto	A.U
1364	Moulding M/C	Stroke 200 mm	Ditto	A.U
1365	Sand mixer	Cap. 0.16 M³/1 charge	Ditto	A.U
136	Ditto	Ditto	Ditto	A.U
1369	Motor	AC 35 HP 420 V	Mitsubishi Zosen	A.U
1643	Oil Separator	Cap. 0.084 M³/min,	Hidachi Seisakusho	A.U
2078	Overhead travelling crane	Cap. 15 tons	Ditto	A.U
2079	Ditto	Cap. 20 tons, 5 tons	Kijuki Seizo	A.U
2089	Ditto	Cap. Ditto	Craven Brother (England)	A.U
3221	Rotary disc Shearing M/C	Max. work size W. 650 mm, thickness 25 mm	AC Campell	A.U
3314	Motor	AC 15 KW, 220 V	Chuo Denki	A.U
3550	Feed pump	Cap. 600 l/min, AC 25 hp	Sindo Seisaku	A.U
3583	Over head travelling crane	Cap. 10 tons	Unknown	A.U
3584	Ditto	Cap. 20 tons 5 tons	Kure Navy Yard	A.U
3585	Ditto	Ditto	Nippon Kijuki	A.U
3586	Ditto	Cap. 15 tons, 3 tons	Craven Brother (England)	A.U
3587	Ditto	Cap. 20 tons	Kure naval Arsenal	A.U
3589	Ditto	Cap. 100 tons 30 tons	Craven Brothers (England)	A.U
3676	Transformer	10 KVA 1 ph.	Shibaura Seisaku	A.U
3677	Ditto	Ditto	Ditto	A.U

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
3678	Transformer	15 KVA 1 ph.	Hidachi Seisaku	A.U
3679	Ditto	Ditto	Ditto	A.U
3680	Ditto	Ditto	Ditto	A.U
1993	Ditto	50 KVA 1 ph.	Ditto	T.O
1994	Ditto	Ditto	Ditto	T.O
4412	Battery locomotive	Cap. 7t tons	Unknown	T.O
4414	Water feed pump	Centrifugal type Cap. 0.59 M³/min.	Ditto	T.O
4413	Ditto	Worthington type Cap. 117 l/min.	Kure Naval Arsenal	T.O
4438	Balance	Cap. 20 tons	Unknown	T.O
4439	Car	Cap. 5 tons	Ditto	T.O
4440	Car	Ditto	Ditto	T.O
4441	Car	Ditto	Ditto	T.O
4442	Car	Ditto	Ditto	T.O
4443	Car	Ditto	Ditto	T.O
4444	Car	Ditto	Ditto	T.O
4445	Car	Ditto	Ditto	T.O
4446	Car	Ditto	Ditto	T.O
4447	Car	Ditto	Ditto	T.O
4448	Car	Ditto	Ditto	T.O
4506	Chemical balance	Cap. 200 gr	Moriya Shokai	T.O
4512	Barometer	Range 650-820 mm (mercury column)	Suzuki Shokai	T.O
4547	Electric furnace	Max. temp. 1,200 C	Shimazu Seisakusho	T.O
4572	Switch board	250 V 75 A	Unknown	T.O
4773	Line shaft	Dia. 90 mm L. 16,400 mm	Kure Naval Arsenal	T.O
4785	Water feed pump	Cap. 6.09 M³/min.	Ebara Seisakusho	T.O
5016	Flat car	Cap. 5 tons	Kure Naval Arsenal	T.O
5074	Motor	AC 30 HP	Meidensha	T.O
5075	Motor	Ditto	Ditto	T.O
5247	Acetylene gas generator	Cap. 120 Kg/charge	Ebn Shoten	T.O
5256	Platform balance	Cap. 0.5 ton	Sato Seisakusho	T.O
5257	Ditto	Ditto	Sumida Seisakusho	T.O
5258	Ditto	Cap. 10 tons	Hpooly & Son England	T.O
5259	Ditto	Cap. 1 ton	Sumitomo Seisakusho	T.O
5260	Lifting magnet	Cap. 5 tons	Unknown	T.O
5262	Transformer	5 KVA	Meidensha	T.O

TOTAL 75

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (B) Machines and Equipment for Steel Casting shop

Code No.	Name	Brief Specification	Maker	Remarks
11-8(6)-267	Hydraulic pump	Cap. 0.2 M³/min.	Komatsu Iron Works	A.U
391	Grinding M/C	Length of arm 2 M	Kure Navy Yard	A.U
1279	Motor	AC 35 KW 220 V	Kawasaki Zosen	A.U
1280	Motor	AC 35 KW 220 V	Kurosaki Denki	A.U
1281	Generator	DC 30 KW	Nitsuto Denki	A.U
1282	Ditto	Ditto	Ditto	A.U
1283	Transformer	100 KVA 1 φ	Meidensha	A.U
1284	Ditto	Ditto	Ditto	A.U
1286	Ditto	Ditto	Ditto	A.U
1289	Motor	AC 35 HP 220 V	Toba Denki	A.U
1290	Sand mixer	Cap. 0.15 M³/1 charge	Kure Navy Yard	A.U
1291	Ditto	Ditto	Ditto	A.U
1292	Electric welder	Cap. 5 KVA	Hidachi Seisaku	A.U
1293	Ditto	Cap. 20 KVA	Osaka Denki	A.U
1295	Pump	Cap. 15 M³/min.	Matsushita Denki	A.U
1297	Electric welder	Cap. 5 KVA	Hidachi Seisaku	A.U
1368	Sand mixer	Cap. 0.16 M³/1 charge	Kure Navy Yard	A.U
1532	Air Compressor	Cap. 16 M³/min.	Pensilbania pump U.S.A.	A.U
1533	Air compressor	Cap. 16 M³/min.	Allies chalmers U.S.A.	A.U
2084	Overhead travelling crane	Cap. 25 tons 8 tons	Ishikawajima Zosen	A.U
2085	Ditto	Cap. 20 tons	Kure Navy Yard	A.U
2505	Generator	AC 333 KW	General electric U.S.A.	A.U
2506	Motor	AC 535 HP 2,300 V	Ditto	A.U
3611	High frequency Electric furnace	Cap. 500 kg/charge x 2	Ajax Co. U.S.A.	A.U
3879	Electric Car	Max. load 2 tons	Kobe Seiko	A.U
992	Motor	AC 40 KW	Mitsubishi Denki Seisakusho	T.O
2604	Drying furnace	Inside size L.5.6m W.4.0m H.2.0m	Kure Naval Arsenal	T.O
4328	Pump	Cap. 160 /min. press 6 kg/cm²	Unknown	T.O
4403	Jib crane	Cap. 2 tons	Kure Naval Arsenal	T.O
4404	Ladle	Volume 500 kgs	Ditto	T.O
4405	Ladle	Ditto	Ditto	T.O
4409	Electric grinder (portable)	1.5 HP	Toa Denki	T.O
4410	Electric Grinder (portable)	1.5 HP	Mizuho Seisakusho	T.O
4457	Ditto	AC 1/2 HP 100 V	Ditto	T.O

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-4841	Transformer	1 ph. 1 KVA	Shibaura Denki	T.O.
5263	Drying furnace	Inside size L 8.3 m W 4.6 m H 4.4 m	Kure Naval Arsenal	T.O
5264	Platform balance	Cap. 1.5 tons	Unknown	T.O
5265	Platform balance	Cap. 60 kgs	Unknown	T.O
5267	Flat car	Cap. 2 tons	Kure Naval Arsenal	T.O
5274	Heat treating	Inside size L 2.1 m W 1.9 m H 1.0 m	Amagasaki Seitetsu K.K. Kure Factory	T.O

Total 40

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (C) Machines and Equipment for Iron Casting Shop

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
426	Shaper	Stroke 550 mm	Hirao Iron Works	A.U
639	Drilling M/C	Drilling Cap. 30 mm	Ditto	A.U
753	Lathe	Swing 980 mm	Tokyo Gas Denki	A.U
		C to C 1,300 mm		
1321	Electric furnace	Cap. 3 tons/1 charge	Kure Navy Yard	A.U
1586	Drying furnace	Inside size	Kure Navy Yard	A.U
		L. 5.27m W. 4.7m H. 4.3m		
1594	Electric welder	DC. 300 A 25 V	Hidachi Seisaku	A.U
1595	Grinding M/C	Stone size 410 x 45 mm	Unknown	A.U
1600	Drying furnace	Inside size	Kure Navy Yard	A.U
		L.7.27 W.4.25m H.3.2m		
1601	Blower	Cap. 30 M³/min.	Inoue Kinsoku	A.U
1602	Transformer	150 KVA 1 ϕ	Osaka Henatsuki	A.U
1603	Drying furnace	Inside size	Kure Navy Yard	A.U
		L. 7.1m W. 5.1m H.4.2m		
1604	Transformer	150 KVA 1 ϕ	Osaka Henatsuki	A.U
1605	Ditto	Ditto	Ditto	A.U
1606	Ditto	Ditto	Ditto	A.U
1607	Ditto	50 KVA 1 ϕ	Ditto	A.U
1609	Cupola	Cap. 6 tons/hour	Kure Navy Yard	A.U
1610	Ditto	Ditto	Ditto	A.U
1611	Ditto	Cap. 10 tons/hour	Ditto	A.U
1614	Sand mixer	Cap. 0.3 M³/charge	Ditto	A.U
1615	Ditto	Ditto	Ditto	A.U
1616	Ditto	Ditto	Ditto	A.U
1617	Ditto	Ditto	Ditto	A.U
1618	Ditto	Ditto	Ditto	A.U
1619	Ditto	Ditto	Ditto	A.U
1620	Elevator	Cap. 10 tons	Ditto	A.U
1621	Motor	AC. 80 HP 2,000 V	Shibaura Seisaku	A.U
1626	Grinding m/c	Double headtype	Unknown	A.U
		stone dia. 180 mm		
1627	Motor	DC. 10 HP 220 V	Hidachi Seisaku	A.U
1628	Radial drilling M/C	Cap. 25 mm	Bouhey paris France	A.U
1629	Lathe	Swing 550 mm	James Spencer England	A.U
		C to C 1,630 mm		
1630	Blower	Cap. 250 M³/min AC 75 HP	Kure Navy Yard	A.U
1632	Drilling M/C	Cap. 19 mm	Unknown	A.U
1633	Air Compressor	Cap. 14 M³/min.	Inger sollrand U.S.A	A.U
1634	Blower	Cap. 150 M³/min.	Thwaits Brothers	A.U
1636	Electric furnace	Cap. 500 kg/charge	Detroit U.S.A	A.U
1637	Ditto	Ditto	Shibaura Seisaku	A.U
1639	Swaing M/C	Saw dia. 2,290 mm	Newton philadelphia U.S.A	A.U
1640	Ditto	Saw dia. 1,570 mm	Ditto	A.U
1644	Transformer	150 KVA 1 ϕ	Shibaura Seisaku	A.U
1645	Ditto	50 KVA 1 ϕ	Osaka Henatsuki	A.U
1646	Ditto	Ditto	Ditto	A.U
1647	Ditto	Ditto	Ditto	A.U
1652	Generator	DC. 120 KW	Mitsubishi Denki	A.U
1654	Overhead travelling crane	Cap. 20 tons	Ishikawajima Zosen	A.U
1655	Ditto	Cap. 100 tons 20 tons	Hidashi Seisaku	A.U
1680	Transformer	600 KVA 1 ϕ	Mitsubishi Denki	A.U

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No. 11-5(6)-	Name	Brief Specification	Maker	Remarks
1681	Transformer	600 KVA 1 ϕ	Mitsubishi Denki	A.U
1682	Ditto	Ditto	Ditto	A.U
1683	Ditto	Ditto	Ditto	A.U
1870	Grinding M/C	Stone dia. 1,100 mm	Hulse England	A.U
1871	Motor	AC. 25 HP 220 V	Yasakawa Denki	A.U
1882	Motor	AC. 5 HP 200 V	Fuji Denki	A.U
1883	Saw sharpening M/C	Grinding length 80 mm	T.Robinson England	A.U
1889	Motor	AC. 25 HP 220 V	Yasukawa	A.U
1951	Pump	Cap. 0.51 m³/min.	Unknown	A.U
2100	Overhead travelling crane	Cap. 1.5 tons	Ishikawajima Zosen	A.U
2101	Ditto	Ditto	Ditto	A.U
2102	Ditto	Cap. 45 tons 15 tons	Ditto	A.U
2103	Ditto	Cap. 45 tons 15 tons	Kure Navy Yard	A.U
2104	Ditto	Cap. 10 tons	J.Joseph Bosthes Brothers, England	A.U
2105	Ditto	Cap. 25 tons 10 tons	Ditto	A.U
2106	Ditto	Cap. 10 tons	Ditto	A.U
2107	Ditto	Cap. 45 tons 15 tons	Ditto	A.U
2108	Ditto	Cap. 25 tons 10 tons	Ishikawajima Zosen	A.U
2109	Ditto	Cap. 25 tons 10 tons	Armstrong England	A.U
2110	Ditto	Cap. 5 tons	Ishikawajima Zosen	A.U
2111	Ditto	Cap. 5 tons	Ditto	A.U
2112	Ditto	Cap. 1.5 tons	Kure Navy Yard	A.U
2502	Feed pump	Cap. 36 L/min.	Unknown	A.U
2777	Air compressor	Cap. 21.5 ft³/min.	Cicago pneumatic Tool Co. U.S.A.	A.U
2778	Motor	80 HP 400 V	Suzuki Shoten	A.U
2786	Motor	AC. 75 KW, 200 V	Hidachi Seisakusho	A.U
2787	Motor	AC. 110 KW, 2,000 V	Chuo Denki	A.U
2792	Motor	DC. 44 HP 220 V	Kosna Seisaku	A.U
2795	Motor	DC. 25 HP 220 V	Kure Navy Yard	A.U
2796	Oil Separater	Cap. 84 L/min.	Hidachi Seisaku	A.U
2798	Transformer	400 KVA 1 ϕ	Mitsubishi Denki	A.U
3040	Grinding M/C	Stone dia. 240 mm	Kure Navy Yard	A.U
3506	Centrifugal pump	Cap. 16.9 L/min.	Hasegawa pump	A.U
3506	Scrap crusher	Falling weight 3.7-5 tons	Kure Navy Yard	A.U
3597	Overhead travelling crane	Cap. 5 tons	Sumitomo Kikai	A.U
3598	Ditto	Ditto	Ditto	A.U
3878	Electric car	Max. load 2 tons	Nippon Yusoki	A.U
1585	Drying furnace	Inside size L.9.1m W.7.45m H.6.6m	Kure Naval Arsenal	T.O
1608	Cupola	Cap. 6 tons/hour	Thwaits Brother (England)	T.O
2093	Overhead travelling crane	Lifting cap. 30 tons	Ishikawajima Zosensho	T.O
3263	Impact tester	Izot, Cap. 16.6 kg-M	W&T Avery (England)	T.O
3812	Electric hoist	Cap. 2 tons	Hidachi Seisakusho	T.O
3960	Surface plate	Size L. x W. x H. 2.14m x 1.53m x 0.14m	Kure Naval Arsenal	T.O
3962	Ditto	Ditto 3.05m x 1.86m x 0.45m	Ditto	T.O
3963	Ditto	Ditto 2.65m x 2.0m x 0.15m	Ditto	T.O
3964	Ditto	Ditto 0.91m x 0.54m x 0.09m	Ditto	T.O
3965	Ditto	Ditto Ditto	Ditto	T.O
3966	Ditto	Ditto 0.96m x 0.53m x 0.06m	Ditto	T.O
3968	Ditto	Ditto 0.92m x 0.54m x 0.08m	Ditto	T.O
3969	Ditto	Ditto 0.91m x 0.61m x 0.0m	Ditto	T.O

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
3970	Surface plate	Size L. x W. x H. 0.92mx0.54mx0.09m	Kure Naval Arsenal	T.O
3972	Ditto	Ditto 0.93mx0.61mx0.08m	Ditto	T.O
4011	Ditto	Ditto 2.45mxl.0m^.125m	Ditto	T.O
4012	Ditto	Ditto 1.0mxl.0mx0.18m	Ditto	T.O
4450	Balance	Cap. 100kgs	Unknown	T.O
4451	"and press	Tons pressure . 2 tons	Ditto	T.O
4468	Balance	Cap. 60 tons	Sato Seisakusho	T.O
4469	Platform balance	Cap. 1 ton	Unknown	T.O
4470	Ditto	Ditto	Suzuki Shokai	T.O
4471	Ditto	Cap. 0.5 ton	Moriya Shokai	T.O
4472	Ditto	Cap. 0.12 ton	Sato Seisakusho	T.O
4475	Band saw sharpener	Band Saw Wheel Dia. 550 mm	Kure Naval Arsenal	T.O
4476	Air tank	Pressure 8.8 kg/cm² Volume 10.2 M³	Ditto	T.O
4477	Ditto	Ditto Ditto	Ditto	T.O
4478	Ditto	Ditto 8.8 kg/cm² Ditto 9.5 M³	Ditto	T.O
4480	Drilling (portable)	Cap. 22 mm AC. 1.5 HP	Mizuho Seisakusho	T.O
4481	Electric Grinder (portable)	AC 1/2 HP	Unknown	T.O
4482	Ditto	Ditto	Ditto	T.O
4483	Motor	AC. 5 HP	Hidachi Seisakusho	T.O
4484	Resistance box	10 and 20 ohm	Kure Naval Arsenal	T.O
4485	Electric hoist	Cap. 1 ton	Meidensha	T.O
4486	Motor	AC. 15 HP	Toyo Denki	T.O
4487	Motor	AC. 3 HP	Ditto	T.O
4488	Motor	AC. 3 HP	Unknown	T.O
4490	Cupola	Cap., 1,000 kgs/hour	Kure Naval Arsenal	T.O
4494	ump	Cap., 50 L/min. AC . 3 HP	Unknown	T.O
4496	Electric hoist	Cap., 1 ton	Hidachi Seisakusho	T.O
4498	Ditto	Ditto	Ditto	T.O
4500	Ditto	Ditto	Ditto	T.O
4501	Chemical balance	Cap. 200 g	Moriya Shokai	T.O
4502	Ditto	Ditto	Ditto	T.O
4509	Table balance	Cap. 1,000 g	Unknown	T.O
4510	Ditto	Cap. 3,000 g	Ditto	T.O
4511	Barometer	Range 690-830 mm (Merlury Column)	Baird Tatloch (England)	T.O
4514	Thermo-Electric Pyrometer	Measuring range 0 - 550°C	Hokushin Seisakusho	T.O
4518	Ditto	Ditto 0 - 1,600°C	Ditto	T.O
4522	Pyrometer	Range 0 - 19M.V. Temp. 0 - 1,600°C	Ditto	T.O
4524	Voltmeter	Range 0 - 150 V 0 - 15 A	Unknown	T.O
4526	AC. Ammeter	Range 0 - 15 A	Y.E.W. (Japan)	T.O
4527	Potentio Meter	Range 1.4 V	Shimazu Seisakusho	T.O
4529	Microscope	Magnification 50-1,320	Yashima Co.	T.O
4531	Flashing point tester	Range 50°C over	Unknown	T.O
4532	Ditto	Range 50°C below	Shimazu Seisakusho	T.O
4533	Viscosimeter	Redwoods-Standard	Ditto	T.O
4534	Flashing point tester	Range 50°C-200°C	Ditto	T.O
4541	Shieves	Mesh range 90-270	Unknown	T.O
4542	Shieves Vibrator	No. of stroke . 120/min, 1/4 HP	W.S. Tyler (U.S.A.)	T.O

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
4543	Hardness tester	Shore, 0 - 140	Akashi Co.	T.0
4544	Ditto	Brinell, Cap. 3,000 kgs	Aktibologet Alpha (Switzerland)	T.0
4545	Edge runner	Cap. 1kg (one charge)	Sanko Kogyo	T.0
4546	Electric furnace (for analysis)	Max. temp. 1,200°C	Hattri Denki	T.0
4548	Drying oven	Temp. 20 - 150°C 100 V	Shimazu Seisakusho	T.0
4549	Electric furnace- Silicate tube	Max. temp. 1,400°C	Ditto	T.0
4550	Electric furnace (for analysis)	Max. temp. 1,400°C	Ditto	T.0
4558	Transformer	1 ph. 5 kw	Hattri Denki	T.0
4559	Ditto	1 ph. 2 KW	Unknown	T.0
4560	Vacuum pump	Cap. 6 L/min. AC. 1/4 HP	Chino Seisakusho	T.0
4561	Vacuum Manometer		Unknown	T.0
4562	Electric water baths	100 V. 12 A.	Shimazu Seisakusho	T.0
4564	Thermometer	Range -35~355°C	Ota Co.	T.0
4565	Ditto	Range -30~360°C	Unknown	T.0
4566	Ditto	Range -0.5~3.5°C	Ditto	T.0
4567	Pyrometer	Range -0.7~1.5°C	Ditto	T.0
4568	Hydrometer	Range 1,120 - 1,780	Ditto	T.0
4569	Ditto	Range 1,000 - 1,700	Ditto	T.0
4571	Switch board	250 V. 75 A.	Ditto	T.0
4573	Moulding Sand rammer	Rammer weight, 8 kgs	Sankō Kōgyō	T.0
4574	Rotary moulding Sand washer	Cylinder volume, 1,200cc	Ditto	T.0
4634	Permeability Tester	A.F.A type-air flow used for dry sand, greensand	Sankai Chuki Seisakusho	T.0
4635	Appratus for strength of moulding sand	Rummer weight, 10 kgs	Oda Keiki Seisakusho	T.0
4636	Compression tester for moulding sand	Max. load, 8 kgs	Unknown	T.0
4637	Strength tester for moulding sand	Max. load, Compression 50 kgs; Shear 35 kgs	Taiyō Chūki Seisakusho	T.0
4642	Hardness tester	Rock well, Cap. 150 kgs	Akashi Seisakusho	T.0
4643	Grinding M/C for analysis room	1/2 HP	Unknown	T.0
4651	Agate Mortar	Size Dia. 150 mm, H.90 mm,	Ditto	T.0
5275	Reverberatory furnace	Cap. 15 tons (one charge)	Amagasaki Seitetsu K.K. Kure Factory	T.0
11-9(6)-				
27	Impact tester	Sharpy, 30 kg-M	Maekawa Shikenki	T.0
28	Universal tester	Amsler, 50 tons	Tōkyō Kōki Seisakusho	T.0

Total 174

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (D) Machines and Equipment for Rolling Mill and Forging Shop

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-898	Shearing M/C	Max. size of works W.430 mm thickness 12.5 mm	Roku Roku Shoten	A.U
963	Blower	Cap. 40 m^3/min.	Unknown	"
968	Steam hammer	Cap. 1.5 ton	Kokura Shintetsu Co.	"
1245	Shearing & punching M/C	Max. thickness of works 18mm DC 20 HP	Unknown	"
1830	Heating furnace	Inside size L. 1.3m W. 1.0m H. 0.65m	Kure Navy Yard	"
2060	Overhead travelling crane	Cap. 5 ton	Ajigawa Iron works	"
2062	"	Cap. 35 ton, 7 ton	Ishikawajima Zosen	"
2309	Heating furnace	Inside size L. 0.75m W. 0.65m H. 0.25m	Kure Navy Yard	"
3230	Hydraulic press	Cap. 800 ton	"	"
3875	Electric car	Max. load 2 ton	Kobe Seiko	"
974	Blower	Cap. 6.7 m^3/min.	Daito Kogyo K.K.T.O	
3256	Overhead travelling crane	Lifting cap. 35 tons	Vanchan & Son England	"
4334	Air bottle	Volume 1,500 l. Pressure 7 kg/cm^2	Kure Naval Arsenal	"
4335	"	" 1,375 l. " 20 Kg/cm^2	Demak Germany	"
4339	Heating furnace	Inside size L. 0.28m W. 0.3m H. 0.1m	Kure Naval Arsenal	"
4459	Spring balance	Cap 5 tons	Nishida Co.	"

Total 16

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (E) Machines and Equipment for Machine Shop

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
144	Lathe	Swing 600mm C. to C. 1,000mm	Magde Buriger Germany	A.U
155	Gear cutting M/C	Max. size of works dia.850mm H. 500mm	Nippon Kikai	A.U
157	Ditto	Ditto dia. 540mm H. 250mm	Reinecker Germany	A.U
170	Lathe	Swing 500mm C. to C. 850mm	Uroko Seisaku	A.U
206	Turret lathe	Chucking cap. 52mm	Kokusan Seiki	A.U
361	Drilling M/C	Drilling cap. 50mm	Hirao Iron Works	A.U
428	Shaper	Stroke 840mm	Nakagawa Kikai	A.U
446	Feed pump	Cap. 3 m³/min	Hamada Iron Works	A.U
490	Planer	Max. size of works L.1.8m W.0.62m H.0.75	Cincinnati planer U.S.A	A.U
526	Slotter	Stroke 165mm	Platt & Whitney U.S.A	A.U
554	Ditto	Stroke 65mm	Kendall & Gent England	A.U
569	Lathe	Swing 800mm C. to C. 1,500mm	Hirao Iron Works	A.U
767	Drilling M/C	Drilling cap 50mm	Ditto	A.U
769	Lathe	Swing 460mm C. to C. 1,300mm.	Daiko Kikai	A.U
773	Ditto	Ditto	Ditto	A.U
803	(Universal tool) Grinding M/C	Max. size of works 180 x 450mm	John Horlyod England	A.U
829	Lathe	Swing 550mm C. to C. 1,035mm	Reinecker Germany	A.U
831	Ditto	Swing 400mm C. to C. 1,300mm	Daiko Kikai	A.U
833	Ditto	Ditto	Ditto	A.U
844	Planer	Max. size of works L.4.5m W.1.65m H.1.7m	Hulse England	A.U
863	Grinding M/C	Stone dia 1,250mm	Kure Navy Yard	A.U
866	Ditto	Table reciprocating length 1,500mm	Tokyo Gas Denki	A.U
867	Ditto	Stone dia. 500mm	William Sellers U.S.A	A.U
869	(Universal tool) Grinding M/C	Max. size of works dia.210 L.900mm	Reinecker Germany	A.U
870	Ditto	Ditto dia. 100 L.550mm	Ditto	A.U
871	Grinding M/C	Ditto dia. 105 L.700mm	Brown & Sharpe U.S.A	A.U
872	Ditto	Ditto dia. 165 L.700mm	Ditto	A.U
876	Ditto	Double headtype stone dia 270m	Hulse England	A.U

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-6(c)-877	Grinding M/C	Double head type stone dia 450mm	Hulse England	A.U
887	Transformer	100 KVA 1 ϕ	Kogaku Seisaku	A.U
888	Ditto	Ditto	Ditto	A.U
889	Ditto	Ditto	Ditto	A.U
896	Motor	AC 40 HP 220 V	Mitsubishi Denki	A.U
897	Generator	DC 34 KW 220 V	Ditto	A.U
902	Planer	Max. size of works L.4.0m W.0.78m H.1.1m	Smith & Coventry England	A.U
904	Gear cutting M/C	Dia.2,600mm H.265mm	J. Parkinson England	A.U
921	Lathe	Swing 640mm C. to C. 4,650mm	Niigata Iron Works	A.U
922	Ditto	Ditto 1,300mm Ditto 4,650mm	Karatsu Iron Works	A.U
924	Ditto	Ditto 1,300mm Ditto. 4.650mm	Ditto	A.U
929	Gear cutting M/C	Max. size of works dia.770mm H.100mm	Smith & Coventry England	A.U
933	Ditto	Max. size of works dia.1,000mm H.100mm	Kure Navy Yard	A.U
934	Ditto	Max. size of works dia.450mm H.70mm	Green Wood U.S.A	A.U
935	Lathe	Swing 630 mm C. to C. 1,700 mm	Niigata Iron Works	A.U
938	Ditto	Ditto	Ditto	A.U
939	Ditto	Ditto	Ditto	A.U
940	Boring M/C	Dia. of plate 700mm Dia. of spindle 100mm	Ikegai Iron Works	A.U
941	Lathe	Swing 630mm C. to C. 1,700mm	Niigata Iron Works	A.U
945	Ditto	Ditto 720mm Ditto 1,800mm	Ditto	A.U
998	Air compressor	Cap. 1.4 m³/min	Kaji Iron Works	A.U
1110	Lathe	Swing 620mm C. to C. 2,250mm	Hirao Iron Works	A.U
1113	Ditto	Ditto 800mm Ditto 3,600mm	Ikegai Iron Works	A.U
1114	Ditto	Ditto	Ditto	A.U
1176	Radial Drilling M/C	Drilling cap 100mm Arm length 1,800mm	Ditto	A.U
1502	Boring M/C	Dia. of bar 101.6mm	Lucas machine Tool U.S.A	A.U
2016	Overhead travelling crane	Cap. 60 tons, 20 tons	Ishikawajima Zosen	A.U
2061	Ditto	Cap. 5 tons	Ditto	A.U
2228	Milling M/C	Table travel L.500mm W.250mm H.450mm	Tateyama Jukogyo	A.U
2307	Gear cutting M/C	Max. size of works dia.1,000mm H.100mm	Schuchardt Schutte Germany	A.U
2532	Motor	AC 5 HP 220 V	Yasukawa Denki	A.U

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-8(6)-				
2539	Motor	AC 10 HP 220 V	Yasukawa Denki	A.U
2540	Ditto	Ditto	Fuji Denki	A.U
2674	Lathe	Swing 360 mm C. to C. 600 mm	Toa Kinzoku	A.U
3247	Overhead travelling crane	Cap. 60 & 20 tons	Ishikawajima Zosen	A.U
3351	Ditto	Cap. 5 tons	Hitachi	A.U
3357	Ditto	Ditto	Ditto	A.U
3606	Ditto	Cap. 0.5 ton	Ditto	A.U
3632	Electric winch	Cap. 3.6 tons	Kure Navy Yard	A.U
3749	Line shaft	Dia. 75 mm L. 21 m	Ditto	A.U
3766	Hoist	1 ton	Hidachi	A.U
3768	Ditto	3 tons	Tokyo Gas Denki	A.U
3874	Electric car	Max. load 2 tons	Kobe Seiko	A.U
11-9(6)-				
13	Shaper	Stroke 600 mm	Tsuchiya Koki	A.U
14	Milling M/C	Table travel L.550mm W.280mm H.550mm	Tokyo Gas Denki	A.U
17	Lathe	Swing 440 mm C. to C. 800 mm	Ota Iron Works	A.U
24	Grinding M/C	Stone dia. 360mm	Unknown	A.U
11-8(6)-				
165	Gear hobber	Max. dia of works 560 mm	Kuntono Iron Works	T.O
301	Double housing drilling M/C	Drilling cap. 100 mm	Niigata Iron Works	T.O
302	Ditto	Ditto 100 mm	Ditto	T.O
304	Horizontal boring M/C	Dia. of boring bar 203 mm	Asquith of Leam England	T.O
311	Turning planer (portable)	Movable type Swing 3,500 mm	Mitsubishi Zosen	T.O
312	Double housing planer	Max. size of works L.8.15 W.4.75 H.2.40m	Ikegai Iron Works	T.O
356	Portable radial drilling M/C	Drilling cap. 32 mm	Hirao Iron Works	T.O
357	Ditto	Ditto 32 mm	Ditto	T.O
363	Ditto	Ditto 32 mm	Ditto	T.O
452	Air compressor	Cap. 164 m³/min	Hidachi	T.O
522	Grinding M/C	Movable type 5 HP	Kure Navy Yard	T.O
537	Vertical milling M/C	Table travel 620 x 290 x 500 mm	Hidachi	T.O
543	Jig borer	Dia. of spindle 80 mm	Geneveloe (Switzerland)	T.O
719	Horizontal boring M/C	Dia. of boring bar 125 mm	Nomura Seisakusho	T.O
825	Lathe	Swing 460 mm C. to C. 1,300 mm	Daiko Kikai	T.O
994	Motor	AC 20 HP	Mitsubishi Denki	T.O
1397	Lathe	Swing 730 mm C. to C. 9,770 mm	Niigata Iron Works	T.O
1406	Vertical lathe	Table dia. 5,450 mm	Karatsu Iron Works	T.O
1408	Lathe	Swing 2,000 mm C. to C. 9,900 mm	Wagner Germany	T.O

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-1418	Lathe	Swing 1,240 mm C. to C. 6,100 mm	Karats Iron Works	A.U
1422	Double housing planer	Max. size of works L.6.1 W.1.9 H.2.7m	Cincinati Planing U.S.A	A.U
1429	Slotter	Stroke 1,000 mm	Newton U.S.A.	A.U
1473	Radial Drilling M/C	Drilling cap. 44 mm Length of arm 2,920 mm	Kolbu Germany	A.U
1475	Gear cutting M/C	Max. size of works Dia. 650 mm Face 210 mm	Robey Smith England	A.U
1500	Horizontal boring M/C	Dia. of boring bar 150 mm	Ikegai Iron Works	T.O
1503	Ditto	Surface dia. of surface plate 1,520 mm	Lucas Machine Tool (U.S.A)	T.O
1714	Motor	DC 14 HP	Lancashire England	T.O
1781	Ditto	AC 10 HP	Yasukawa Denki Seisakusho	T.O
1941	Lathe	Swing 610 mm C. to C. 1,100 mm	Reinecker Germany	T.O
2092	Overhead travelling crane	Lifting cap 25 tons	Ishikawajima Zosensho	T.O
2442	Horizontal Boring M/C	Dia. of boring bar 150 mm	Niles Bement	T.O
2531	Motor	AC 7 HP	Matsushita Denki Seisakusho	T.O
2541	Ditto	AC 5 HP	Ditto	T.O
2581	Vertical lathe	Table dia. 5,800 mm	Johm Hetherington & Son (England)	T.O
2609	External Cylindrical Grinder	Swing 530 mm C. to C. 6,500 mm	Norton U.S.A	T.O
3053	Lathe	Swing 400 mm C. to C. 1,500 mm	Pratt & Whitney U.S.A	T.O
3315	Double housing planer	Max. size of works L.6.0m W.2.0m H.1.6m	Kubota Iron Works	T.O
3355	Overhead travelling crane	Lifting cap. 5 tons	Hidachi Seisakusho	T.O
3358	Ditto	Ditto 5 tons	Ditto	T.O
3391	Special planer	Max. size of works L.2.5m W.0.2m H.1.1m	Thomas Shanks England	T.O
3500	Hardness tester	Shore type	Instrument & Mfg Co. U.S.A	T.O
3943	Surface plate	Size L. x W. x H. 4.1m x 1.9m x 0.65m	Osaka Cnuzo K.K.	T.O
3945	Ditto	Ditto 4.0m x 3.6m x 0.7m	Ditto	T.O
3946	Ditto	Ditto	Ditto	T.O
3986	Ditto	Ditto 3.0m x 3.65m x 0.49m	Kure Naval Arsenal	T.O
3987	Ditto	Ditto 4.65m x 3.0m x 0.49m	Ditto	T.O

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
3988	Surface plate	Size L. x W. x H. 3.53m x 2.0m 0.5m	Kure Naval Arsenal	T.O
3989	Ditto	Ditto	Ditto	T.O
4003	Ditto	Ditto 1.6m x 1.1m x 0.3m	Unknown	T.O
4004	Ditto	Ditto 3.0m x 2.6m x 0.6m	Ditto	T.O
4838	Electric welder	AC 37 KVA 300 A	Hidachi Seisaku	T.O
4905	Surface plate	Size L. x W. x H. 3.6 x 2.1 x 0.4m	Kure Navy Yard	T.O
4906	Ditto	3.6 x 2.5 x 0.35m	Ditto	T.O
4907	Ditto	3.5 x 3.8 x 0.75m	Ditto	T.O
4999	Grinding machine	AC 2 HP	Mizuho Seisaku	T.O
5158	Motor	AC 15 HP	Yasukawa Denki	T.O
5174	Ditto	Ditto	Ditto	T.O
5175	Ditto	Ditto	Ditto	T.O
5176	Ditto	Ditto	Ditto	T.O
5178	Ditto	AC 30 HP	Fuji Denki	T.O
5186	Ditto	DC 10 HP	Dick Keer England	T.O

TOTAL 156

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (F) Machines and Equipment for Oxygen Shop

Code No.	Name	Brief Specification	Maker	Remarks
11-6(6)-				
96	Motor	AC 35 HP 220 V	Kobe Seiko	A.U
274	Air compressor	Cap. 7.7 m^3/min.	Ishikawajima Zosen	"
275	"	" 1 "	Tokyo Kenso Kikai	"
359	Motor	AC 55 HP 220 V	Toyo Denki	"
360	Generator	DC 33.6 KW 220 V	"	"
955	Pressure gauge testing machine	0 - 15 kg/cm^2	Mori Keiki	"
968	Motor	DC 100 HP 220V	Hidachi Seisaku	"
2157	Air compressor	Cap. 10 m^3/min. AC 200 HP	Toyo Senso Kikai	"
2318	Motor	AC 200 HP 2,000 V	Hidachi Seisaku	"
3222	Overhead travelling crane	Cap. 10 ton	Morgan England	"
3634	Oxygen compressur	Cap. 1 m^3/5min. AC 75 HP	Root Vick spark	"
3642	Centrifugal pump	Cap 1 m^3/min. DC 10 HP	Mitsubishi Zosen	"
3644	Oxygen compressor	Ratio of expansion 50 - 4,5 kg/cm^2	Toyo Senso	"
2243	Motor	AC 250 KW	Hidachi Seisaku	T.O
2497	"	AC 10 HP	Meiji Denki Seizo K.K.	"
3252	Overhead travelling crane	Lifting cap. 35 tons	Ishikawajima Zosensho	"
3666	Transformer	1 ph 30 KVA	Osaka Hensatsuki	"
3667	"	"	"	"
3668	"	"	"	"
3876	Electric car	Cap 3 ton	Toba Seisaku	"
4771	Fire tube boiler	Working pressure 5.6 kg/cm^2	Kure Naval Arsenal	"
4772	Water feed pump	Cap. 0.25 ton/min.	Yasukawa Denki	"
4774	Hoist	Cap. 1 ton	Hidachi Seisakusho	"
5164	Motor	AC 10 HP	Yasukawa Denki	"

Total 24

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (G) Machines and Equipment for Paper Mill

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-671	Oil Separator	Inside Size Dia.800mm H.350mm	Unknown	A.U
1003	Sand mixer	Cap.40 kg/lcharge	Statt England	"
1227	Motor	AC 15 HP	Kawakita Denki	"
1237	Paper cutting M/C	Cutting size 1,400mm AC 2 HP	Dainippon Insatsu	"
1238	Paper Mfg. M/C	Cap. 190 kg/day	Suzuki Seisaku	"
1239	Agitator	Cap.144 kg/day	"	"
1247	Lathe	Swing 475mm C. to C. 1,200mm	Toa Seisaku	"
1260	Sand mixer	Cap. 70 kg/lcharge	Unknown	"
1261	"	"	"	"
1262	Motor	AC 20 HP	Chuo Denki	"
1264	Water feed pump	Cap. 76 m³/hour	Unknown	"
1270	Transformer	75 KVA 1 φ	Hidachi Seisaku	"
1271	"	"	"	"
1273	"	"	"	"
2489	Paper rolling M/C	Cap. L 3,350mm W 2,400mm	Suzuki Seisaku	"
2491	Pump	Cap. 90 ton/hour	Unknown	"
3877	Electric car	Max. load 1.5 ton	Kobe Seiko	"
546	Upright Drilling M/C	Drilling cap. 50mm	Hirao Tekko Works	T.O
1181	Shaper	Stroke 350 mm	Chiba Seisakusho	"
3490	Fire tube boiler	Working pressure 6 kg/cm²	Unknown	"
4342	Pump	Cap. 27 ton/min. AC 5 HP	"	"
4343	"	"	"	"
4344	Transformer	3 ph. 5 KVA	Hidachi Seisakusho	"
4345	Electric panel		Inoue Denki	"
4346	"		"	"
4347	"		Unknown	"
4348	Platform balance	Cap. 0.5 ton	Kure Naval Arsenal	"
4349	Platform balance	Cap. 0.5 ton	Unknown	"
4351	"	Cap. 0.1 ton	"	"
4352	Drilling (portable)	Cap. 23mm DC 1.5 HP	"	"
4353	"	"	"	"
4356	Electric grinder (portable)	" DC 1 HP	"	"
4358	Pump	Cap. 150 ton/min. AC 30HP	"	"
4380	Shaft	Size dia.100mm L.6,700mm	Kure Naval Arsenal	"
4381	"	" dia.100mm L.5,700mm	"	
4388	Electric grinder (portable)	DC 1 HP	Unknown	"
4390	Pump	cap. 20 ton/hour	"	"
4397	Boiler	Drum size dia 2m L.4.3m	"	"
4463	Boiling water tank	Volume 700 kgs	Kure Naval Arsenal	"
4793	Chimney	Size dia.0.6m H.15m	"	

Total 49

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

2. (H) Machines and Equipment for Electric Sub-Station

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-				
111	Motor generator	DC 500 KW 250 V	Shibaura Seisaku	A.U
112	"	"	"	"
113	"	"	"	"
115	"	DC 300 KW 220 V	"	"
117	Transformer	75 KVA 3 ph.	Osaka Henatsuki	"
118	Motor	DC 75 KW 120 V	Kouna Seisaku	"
128	Transformer	6,000 KVA 3 ph.	Meidensha	"
448	Generator	AC 75 HP 220 V	Yasukawa	"
449	Motor	DC 28.5-45 KW 220 V	"	"
1350	Transformer	6,000 KVA 3 ϕ	Mitsubishi Denki	"
1890	"	100 KVA 1 ϕ		
3663	"	20 KVA 1 ϕ	Osaka Henatsuki	"
3664	"	"	"	"
3665	"	"	"	"
3681	"	30 KVA 1 ϕ	"	"
3682	"	"	"	"
3683	"	"	"	"
3684	"	"	"	"
3685	"	20 KVA 1 ϕ	"	"
3686	"	"	"	"
3688	"	30 KVA 1 ϕ	"	"
3689	"	"	"	"
3690	"	"	"	"
3700	"	10 KVA 1 ϕ	Hidachi Seisaku	"
121	Electric condenser	250 KVA 2,200 V	Sumitomo Denki Seisakusho	T.O
122	Reactor	500 KVA 2,200 V	"	"
123	"	"	"	"
124	Electric condenser	250 KVA 2,200 V	"	"
125	"	"	"	"
126	"	"	"	"
1891	Transformer	1 ph 100 KVA	Meidensha	"
1892	"	"	"	"
1893	"	"	"	"
4113	"	3 ph 30 KVA	Osaka Henatsuki	"
4581	Magnet Bell	100 V 50,000 phm	Nippon Denki	"
4582	Megger	1000 V 0-200 Megohm	Yokogawa Denki	"
4583	Drilling (portable)	Cap. 10 mm	Mizuho Seisakusho	"
4584	Voltmeter	DC 0-3V and 0-150V	Nippon Denki	"
4585	"	DC 3-150V and 250-500V	Yokogawa Denki	"
4586	Capstan	(Drum size	Kure Naval Arsenal	"
4587	Transformer	dia. 200mm H. 350mm 1 ph. 10 KVA	Hidachi Seisakusho	"
4588	Controling panel		Inoue Denki Seisakusho	"
4589	D.C. panel		Unknown	"
4591	Electric grinder (portable)	AC 1 HP	Hidachi Seisakusho	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-3(6)-				
4592	Battery	(2V,435AH) x 92	Yuasa Seisakusho T.O	
4594	Controling panel		Unknown	"
4595	"		Shibaura Denki	"
4596	Chocking coil	Cap. 11,000 V	"	"
4597	Electric grinder (portable)	AC or DC 1/2 HP	Toa Denki	"
4598	Motor	DC 0.27 HP 30-220V 1470-1650 r.p.m	Nagasaki Zosen	"
4599	Electric siren	15 HP 220 V 3,425 r.p.m	Osaka Fuki Kogyo	"
4600	Controling panel		Yachiyo Denki	"
4607	Transformer	1 ph. 3 KVA	Naigai Henatsuki	"
4608	"	1 ph. 3 KVA	Shibaura Denki	"
4849	"	"	"	"

Total 55

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Z (I) Machines and Equipment for Transportation Shop

Code No.	Name	Brief Specification	Maker	Remarks
11-3(6)-				
434	Transformer	100 KVA 1 ϕ	Hidachi Seisaku	A.U
435	Ditto	Ditto	Ditto	A.U
439	Ditto	Ditto	Ditto	A.U
725	Locomotive crane	Cap. 5 tons	Ishikawajima Zosensho	A.U
1005	Air compressor	Cap. 0.5 M³/min.	Tokyo Denki Kogyo	A.U
1006	Blower	Cap. 30 M³/min.	Rikagaku Kenkyusho	A.U
1007	Lathe	Swing 440 mm C to C 1,500 mm	Kubota Iron Works	A.U
1008	Drilling machine	Drilling capacity 13 mm	Taihei Denki Kogyo	A.U
1029	Grinding machine	Stone dia. 200 mm AC 1 HP	Hidachi Seisaku	A.U
1050	Electric welder	Ca . 40 KVA	Osaka Henatsuki	A.U
1248	Locomotive crane	Cap. 5 tons	Kure Navy Yard	A.U
1249	Ditto	Cap. 5 tons	Showa Kijuki	A.U
1274	Transformer	50 KVA 1	Osaka Henatsuki	A.U
1275	Ditto	Ditto	Ditto	A.U
1276	Ditto	Ditto	Ditto	A.U
1296	Electric winch	Cap. 3 tons	Unknown	A.U
2135	Wharf crane (Coal unloader)	Cap. 150 ton/hour	Ishikawajima Zosen	A.U
2136	Ditto	Ditto	Ditto	A.U
2138	Locomotive crane	Cap. 10 tons	Unknown	A.U
2140	Ditto	Cap. 5 tons	Kure Navy Yard	A.U
2141	Ditto	Ditto	Unknown	A.U
2143	Ditto	Ditto	Hidachi Seisaku	A.U
2145	Wharf crane	Cap. 40 tons	Unknown	A.U
2146	Ditto	Cap. 20 tons	Ishikawajima Zosen	A.U
2147	Ditto	Cap. 15 tons	John Willson England	A.U
2150	Steam locomotive	Cap. 9.85 tons	Nippon Sharyo	A.U
3302	Ditto	Cap. 4.5 tons	Hidachi Seisaku	A.U
3353	Locomotive crane	Cap. 5 tons	Kure Navy Yard	A.U
3595	Overhead travelling crane	Cap. 15 tons 5 tons	Ishikawajima Zosensho	A.U
3626	Electric winch	Cap. 3 tons	Clarke Champion England	A.U
3627	Ditto	Cap. 1 tons	Kure Navy Yard	A.U
3672	Transformer	10 KVA 1 ϕ	Hidachi seisaku	A.U
3673	Ditto	Ditto	Ditto	A.U
3693	Ditto	15 KVA 1 ϕ	Naigai Henatsuki	A.U
3694	Ditto	Ditto	Ditto	A.U
3801	Hoist	5 tons	Hidachi Seisaku	A.U
3804	Hoist	3 tons	Ditto	A.U
3805	Hoist	2 tons	Ditto	A.U
3814	Flat car	Max. load 110 tons	Unknown	A.U
3815	Ditto	Ditto	Ditto	A.U
3817	Ditto	Max. 50 tons	Ditto	A.U
3819	Ditto	Ditto	Ditto	A.U
3820	Ditto	Ditto	Ditto	A.U
3822	Ditto	Ditto	Ditto	A.U
3827	Ditto	Ditto	Ditto	A.U

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Code No.	Name	Brief Specification	Maker	Remarks
11-5(6)-3897	Boat	Weight 4 tons 10 HP diesel engine	Unknown	A.U
3900	Cargo boat	Weight 9 ton 20 HP diesel engine	Ditto	A.U
726	Locomotive crane	Cap. 5 tons	Tokyo Fukugawa Zosensho	T.O
1387	Electric winch	Cap. 2 tons	Mitsubishi Denki Seisakusho	T.O
3578	Ditto	Cap. 5 tons	Atlas Germany	T.O
3609	Ditto	Cap. 5 tons	Kure Navy Yard	T.O
3781	Ditto	Cap. 5 tons	Mitsubishi Denki Seisakusho	T.O
3784	Ditto	Ditto	Ditto	T.O
3828	Flat car	Cap. 15 tons	Kure Navy Yard	T.O
4464	Platform balance	Cap. 20 tons	Unknown	T.O
4465	Ditto	Ditto	Ditto	T.O
4466	Electric hoist	Cap. 1 ton	Ditto	T.O
4577	Surface plate	Size L 1,250 mm W 1,050 mm H 170 mm	Kure Navy Yard	T.O
4579	Winch	Cap. 5 tons	Unknown	T.O
4580	Oil Jack	Cap. 100 tons	Ditto	T.O
4601	Transformer	1 ph. 50 KVA	Hidachi Seisaku	T.O
4602	Ditto	Ditto	Ditto	T.O
4603	Ditto	Ditto	Ditto	T.O
4751	Pump	Cap. 2.5 ton/hour	Unknown	T.O
5061	Oil barge	Gross tonnage 55 tons	Kure Navy Yard	T.O

Total 65

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

25 KI No.2499

22 Sept.1950

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

THRU : Reparation Agency.

FROM : Ministry of International Trade and Industry.

SUBJECT : Recommendation of Ministry of International Trade and Industry for continuative operation of Amagasaki Seitetsu K.K. (Amagasaki Iron & Steel Co.,Ltd.), currently using a part of steel manufacturing facility of former Kure Navy Yard.

I. Reference is made to AG 561 (23 June 50) ESS/IND, SCAPIN 2103,Memorandum for Japanese Government,Subject: Revision of Scope of Activities in former Japanese Naval Shipyards.

II. Inconnection with Paragraph I,C, the above Memorandum, we were orally directed by concerned official of ESS,GHQ, to submit the opinion of the Japanese Government with regard to the necessity of continuative or new operation of other works than ship-building or ship-repairing works in the ex navy yards. It is,therefore,submitted a recommendation of Ministry of International Trade and Industry for continuative operation of Amagasaki Seitetsu K.K.,presently using a part of steel production facility of the ex Kure Navy Yard.

III. Brief history of Amagasaki Seitetsu K.K.,currently using such facility as above mentioned,is as follows:

The main works of this company was established at Nakanishi,Shinden,Amagasaki City,Hyogo Prefecture,in 1937, and later it was divided into two companies,Amagasaki Seitetsu K.K. and Amagasaki Seiko K.K.,in 1946. The latter company, Amagasaki Seiko K.K. has continued its iron and steel production in Amagasaki City,but the former,Amagasaki Seitetsu K.K. moved its production center into the former steel works of Kure Navy Yard,after such division,with permission of Headquarters,Eighth Army,dated 6 May 1946,and of Headquarters, Seventy-sixth Military Government,dated 13 May 1946, as herein attached. Thence this company has been engaged in the manufacturing of steel ingots,iron,steel and alloy castings in the above steel production facility of former Kure Navy Yard.

IV. After strict screening the necessity of continuative production applied by the above-mentioned company,the Ministry of International Trade and Industry has concluded it is essential for maintenance and rehabilitation of peace-time economy as well as social welfare in this country,owing to the following circumstances:

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

(1) In the consideration of national iron and steel production by district, Chugoku District, in which, this steel works of the ex Kure Navy Yard, is located is situated in halfway between Kyushu District, in which Yawata Iron & Steel Works is located, and Kinki District, in which Hirohata Works is located. In this halfway District, there is no other steel production facility except this Kure Works. This Works is, therefore, only one supply source of steel ingot for roll-mill operators who lack the steel production equipments in this District.

(2) Originally, this company started its steel production in this Works, to take charge of dismantling the former war facility and disposing the scrap iron produced by such dismantling, is connection with the national dismantling work of former war facilities by Arms Disposal Committee, according to the instruction issued by the Occupation Forces. Such being the start of steel production, this company keeps still scrap iron (raw material for iron castings) enough to support its steel production more than two years. Considered with a large quantity of potential scrap in this Yard and producible scrap in this District in addition with the above-mentioned scrap stock, it is presumed that this company will be able to continue further its production without relying upon the scrap source in other steel production districts.

(3) A large size cast alloy products, especially, propeller, manufactured by this Works, is one of the most excellent products in this country. About 70 % of propellers equipped to the foreign country's ships built in this country in 1949 fiscal year, was supplied by this Works. As to the built-up type propellers, there are many makers, but only two makers, Nagasaki Ship-building Works, West Japan Heavy Industry Co., Ltd. and this Kure Works, Amagasaki Seitetsu K.K., among them, can produce the large size solid type propellers at present. For the foreign country's ships built in this country, only solid type propellers have, hitherto, been ordered and hence such products will be mainly demanded in coming years.

(4) Large size equipments, such as two sets of 10 tons cupola and two sets of 6 tons cupola for iron foundry, 15 tons and 10 tons reverberators for alloy foundry and 15 tons melting pots kept in this Works, are very rare ones in the privately owned works. As equipped with extraordinary large-size machine-tools in addition to the above-mentioned large size equipments, needed for production of large size iron, steel and alloy castings, this Works has been and is important for such products demanders. Formerly, those large size iron, and steel castings products were supplied for the most part to the ship-building industry, but recently, those products are being supplied mainly to iron & steel production, paper manufacturing and other various manufacturing industries than the ship-building. As shown in the attached sheet, large and medium size drum barkers for paper manufacturing made in this Works have been supplied to Tomakomai Paper Mfg., Co., Ltd. and Fujo

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Paper Mfg.Co.,Ltd.,respectively. Large size fittings for steel manufacturing apparatus were made to meet the demand from Yawata Iron & Steel Works. Due to the comparatively scrae facilities fitted for such large size iron & steel casting,it is promised that the demand for those products will be further increase hereafter.

(5) Though the products produced in this Works are essential for Japan's peace-time economy,there might arise a misunderstanding that the continuative operation of this Works result in the maintanance of a great potential war facility: because this Works is a part of steel production facility in the so famouse Kure Navy Yard as a symbol of Japan's pre-war militarism. However,we are convinced of that such misapprehension would be fully solved,if the real circumstances as mentioned below be clarified:

Essential Part,namely,more than 90 % of steel production facility of former Kure Navy Yard was completely damaged by bombing in the war time. In addition,large-size or special type machinery and equipments,regarded as solely available for war purpose,among the remaine 10 % equipments,were already scrapped down as SP machines and equipments,according to the GHQ's instruction. Accordingly,less than 10 % equipments,available only for general industry's purpose, has been remained and are being used by this company. The present scope of this Works, equipped with approximately 600 reparation items in including motors and other trivial accessories,and with 150 EX machines newly added thereto,is not so big as might over the industrial purpose in peace time. It is,therefore,far beyond the real situation of this Works,that the remained steel production facility might be switched to the former naval purpose or a war facility.

(6) Beside the above industrial necessity,the social circumstance currently prevailing in Kure District,should be also taken into consideration,in case of screening the continuative operation of this Works. Because,Kure City has become one of the highest unemployment cities since end of war. How to give the sound occupations to the jobless people is a matter of vital importance to the local Government. Presently, about 800 workmen -- presumably 3,000 in consideration of their families -- are supporting their livings,owing to the reopened operation of this Works. Suspension of this industry would result in added unemployment in this city,thereby inflicting a hard blow upon the countermeasure to cope with the current unemployment. Therefore,the continuation of this production is needed also for supporting the bona fide people's living thus to avoid the social confusion.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Such being the circumstances, the Ministry of International Trade and Industry regards the continuation of this iron & steel production as essential for the maintenance of Japan's economy and people's welfare.

It is, therefore, sincerely requested that your special favor be given to this applied continuation of production of Kure Works, Nagasaki Seitetsu K.K.

FOR THE MINISTER:

Teruhiko Iwatake
Deputy Chief, Enterprise Bureau.

For : Takeo Ishihara
Chief, Enterprise Bureau,
Ministry of International Trade & Industry.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Large Casting (except Shipbuilding Purpose)
Produced in the last six months
(March - August, 1950)

Amagasaki Iron and
Steel Mfg. Co., Ltd.

Delivery Place	Items	Number	
East Heavy Industry	Large type Drum Barker water Press Box of Paper Industry	2 sets	For Tomakomai Paper Co.
"	" " Tiers "	"	
"	" " Pintle Wheels	"	
"	Medium type Drum Barker	"	For Jujo Paper Co.
	Tiers of Paper Industry	"	
	" " " "		
"	Gears " " "	"	
Yamakawa Press Co.	Large type Compressor's Parts		
Yawata Seitetsu	Steel End Cover of furnaces, etc.		
Tokuyama Teppan	Annealing box, etc.		
Toyo Kohan	Annealing box, Gear wheel, etc.		
Middle Heavy Industry	Runners for Hydraulic Motor Generator		
Kawasaki Heavy Industry	Punching machine large castings		
"	Shearing machine parts		
"	Rollers		
"	3 million cubic feet Gas Holder		
Hiroshima Kogyo	Paper shearing machine	287	
Nakano Kgyo	Corn selecting machine	Many	
Mitsui Zosen	Jigs for Holes		
Kobe Seiko	Reducing gear parts		
Ube Kosan	Tiers and shaft bracket		
Self use	Ingot case		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 1

COPY

Office of the Commanding General

AG 004.04 (MG) 6 May 1946

SUBJECT : Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : Central Liaison Office, Tokyo

1. Reference is made to letter, file C.L.O.No.94 (ECI), dated 24 April 1946, subject as above.

2. The temporary use of the additional electric furnaces, open hearth furnaces and other forging and casting equipment as requested in the application of the Amagasaki Iron & Steel Manufacturing Company, is approved.

3. This headquarters has informed the commanding officer of the 76th Military Government Company of the action taken by this headquarters and has directed that the Amagasaki Iron and Steel Manufacturing Company be advised that the use of this equipment will not release it from any possible future reparations action and that they will meet the requirement for proper custody and control.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

James H. Nash
1st Lt., CAC
Actg. Asst. Adjutant
General

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ENCLOSURE NO. 2 COPY

WLH/ln

HEADQUARTER
SEVENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 24 (Kure,Honshu)

13 May 1946

SUBJECT: Application for Temporary Utilization of Steel Manufacturing Plants in Kure Navy Yard

TO : Amagasaki Iron and Steel Mfg.Co.

1. Your request for the temporary use of additional electric furnaces,open hearth furnaces and other forging and casting equipment as specified in your application dated 24 April 46,is hereby approved.

2. The temporary use of this equipment will not in any way affect its status in any possible future reparations actions. You will at all times meet the requirements for proper custody and control.

FOR THE COMMANDING OFFICER:

JOHN D.MONTGOMERY
1st Lt.TC
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU LIAISON AND COORDINATION OFFICE
KURE, HONSHU

CHL No. 231 (TK) 14 October 1950

SUBJECT: Petition Concerning Use of No. 4 Dock of Kure Arsenal

TO : Chief, Chugoku Civil Affairs Region
(Attn: Chief, Economic Section)

In conformity with your Memorandum CCAR 386.3 dated 21 Sept. 1950, forwarded herewith for information and appropriate action are three copies of subject petition prepared and submitted by the Mayor of Kure City to the Minister of Transportation.

MANUFACTURING AND INDUSTRY
FILE 11-5 (5)
Sec. II

Osamu Itagaki
OSAMU ITAGAKI
Director
Chugoku Liaison & Coordination Office

Inclosure: as indicated above.

17 Oct 50

8/80

Econ-1643

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU LIAISON AND COORDINATION OFFICE

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OSAMU ITAGAKI
Director
Chugoku Liaison & Coordination Office

Inclosure: as indicated above.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU LIAISON AND COORDINATION OFFICE

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OSAMU ITAGAKI
Director
Chugoku Liaison & Coordination Office

Inclosure: as indicated above.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU MARITIME BUREAU

THE PLAN FOR IMPROVEMENT OF THE TRANSIT WAREHOUSE IN THE COMPOUND OF NO.1 BERTH

1. REPAIR OF ROOF:

Wooden lining under the galvanized iron sheets.

Replacement of galvanized iron sheets where leaks.

2. REPAIR OF SIDE WALLS:

Wooded lining all over walls except some windows.

Installation of cargo sparring inside walls.

3. CLEARING OF BULKHEADS:

Removing bulkheads in the warehouse.

4. FLOOR REPAIRING:

Repair of defective parts.

Extention of cement pavement.

5. EXTENTION OF BUILDING:

Extend the area of building about 300 TSUBO(one TSUBO equals about 36 sq.ft.) as shown on the drawing.

6. REMOVING REPARATION EQUIPMENT

We fequest to remove all the reparation equipment in the building to other area.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

MINISTRY OF TRANSPORTATION & PRICE BOARD

Date: Dec 28th 1949

TARIFF OF SHED & WAREHOUSE RENT

1. SHED RENT:

(1) General use:

a. From the 1st day of warehousing cargo to the 5th day

Free of charge

b. From the 6th day of warehousing cargo to the 15th day

¥8.00 per 1 TSUBO(about 36 sq.ft.) per day

¥3.00 per 1 TON per day

c. From the 16th day of warehousing cargo

¥15.00 per TSUBO per day

¥6.00 per 1 TON per day

Remark: The tariff by TON will be used only in case of requested by cargo owners.

(2) Exclusive use:

¥80.00 per 1 TSUBO per 1 month

2. WAREHOUSE RENT:

¥80.00 per 1 TSUBO per 1 month

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Copy

HEADQUARTERS
HIROSHIMA MILITARY GOVERNMENT TEAM
APO 317

D/JRF/mn

File: HMGT 091.6

Kure Honshu
6 March 1948

Subject: Use of No.1 Berth and Warehouse Kure Dock Area

Through: Director,Chugoku Central Liaison Office,Kure,Japan

To: Director,Chugoku Maritime Bureau

1. With the possibily of shipments of imported food arriving in Kure Port and scheduled shipments of reparations items from that Port,the area known as Berth No.1 and No.1 Transit Warehouse are made available for the purpose of handling such shipments.

2. The extent of the warehouse will not be expanded from its existing bounderies without permission of this headquarters.

3. The Chugoku Maritime Bureau will assume custody of the area and make necessary arrangements for carrying out the abovementioned operations.

4. Your attention is invited to the following items:
   a. Use of the port is only for those mentioned paragraph 1.
   b. The authority granted herein is for use only and does not constitute a formal release of the area.
   c. Any deviation of the facilities to use other than stated in paragraph 1 must have the approval of this headquarters.

T.M.Cloward
Lt.Col.,AFUS
Commanding

CC to: Commanding Officer,British Commonwealth Base.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU MARITIME BUREAU

Date: Oct 4th 1950

To: Chief of Chugoku Civil Affairs Region

From: Chief of Kure Branch Office, Chugoku Maritime Bureau

Subject: Improvement of Transit-warehouse in the compound of No.1 Berth

1. The subject wharf facility whose use is authorized through your thoughtful consideration, has fulfilled its important mission in shipping out reparations and importing urgently needed foods as only wharf available for such operations in this harbour.

2. Since the authorization of the use of this area was granted on a temporary basis, we have conducted a temporary over-all reconditioning including repair of aprons, laying rail tracks, emergency repair of the building and paying its floor etc., yet the condition is far from satisfactory, particularly unsuitable and inconvenient for handling foods. For that, some complaints have been filed with us from cargo-owners as well as stevedoring people. Those concerned have found it most imperative to improve the building facility.

3. We have, hereupon, drafted an improvement plan of the building well satisfying the abovementioned requirement, and are asking your approval(refer to the attached plan and drawing).
Upon your approval, we shall negotiate with the Japanese Government for an appropriation of the necessary fund for this proposed work.

Trusting that you will favour us with approval of this matter in consideration of the above stated circumstances,

Yours respectfully,

J. Tanaka

JIRO TANAKA

Chief of Kure Branch Office,
Chugoku Maritime Bureau.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

CHUGOKU MARITIME BUREAU,
KURE BRANCH OFFICE.

LIST OF ITEMS (PLANT CODE NO.11-5(5))
TO BE REMOVED FROM BUILDING NO.H-2

Remark: Mark AU-R---AU Rescinded
" R------Reparation Released
" S------Scrap Down

INSIDE OF BUILDING

Mark	Machine Inv.No.	Name of Machine	Est.Wt. (ton)	To be removed to	Dist.of movement(meter)	Remark
R	3658	Rail	8.880	H-11(D)	800	Imbeded in concrete
R	146	Overhead Crane	100.000	H-3	100	
R	147	"	100.000	"	"	
R	143	"	60.000	H-6(C)	"	
R	1367	Lathe	7.000	"	180	
R	1368	"	5.500	"	"	
R	1354	"	4.000	"	"	
S	2182	"	15.000	H-11(D)	800	
S	2176	Boring Machine	15.000	"	"	
S	2175	Lathe	13.000	"	"	
S	2172	Boring Machine	15.000	"	"	
S	2684	Attachment of Shaper	1.000	"	"	
R	3214	Jib Crane	0.120	"	"	
R	3213	"	0.120	"	"	
R	3210	"	0.120	"	"	
R	3209	"	0.120	"	"	
R	3208	"	0.120	"	"	
R	3207	"	0.300	"	"	
R	3215	"	0.120	"	"	
R	3912	Surface Plate	7.000	H-2(B)	150	
R	123	Super Heater	25.000	"	"	Pipes to be off

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Mark	Machine Inv.No.	Name of Machine	Est.Wt. (ton)	To be removed to	Dist.of movement(meter)	Remark
R	120	Boiler	23.000	H-2(B)	150	Pipes to be off
R	12004	Winch	0.300	H-6(C)	180	
R	128	Centrifugal Pump	20.000	"	150	Divide into 3 pieces
R	"	" " (Switch)	0.150	"	"	Bolts to be off
R	"	" " (Fence)	0.800	H-11(D)	800	"
R	"	" " (Scrap)	3.000	"	"	
R	3187	Jib Crane	0.120	"	"	
R	3254	Pump	0.500	H-6(C)	180	Pipes to be off
R	125	Boiler	36.000	H-2(B)	150	"
R	124	"	36.000	"	"	"
R	120/125	Pipes & Holders	46.000	H-11(E)	900	Flange,Bolts to be off
AU-R	3325	Transformer	0.250	A-17	1,200	Wires to be off
AU-R	3326	"	0.250	"	"	"
R	5622	Switch Board	0.500	H-6(C)	180	"
R	11994	Water Tank	0.500	H-11(E)	900	Holders,Pipes to be off
		OUTSIDE OF BUILDING				
R	12565	Oil Tank	2.000	H-11(E)	900	Concrete Housing to be broken
R	12566	"	2.000	"	"	"
R	12519	"	2.000	"	"	"
R	12520	"	2.000	"	"	"
R	12518	"	2.000	"	"	"
R	12005	Loco. Crane	20.000	"	"	

TOTAL OF INVENTORIED ITEMS: Mark	No. of Items	Est.Wt. (ton)	Est. Cost for movement(yen)
AU-R	2	0.500	2,304.00
R	31	515.270	263,116.00
S	5	59.000	12,362.00
	38	574,770	277,782.00

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

呉港繋留

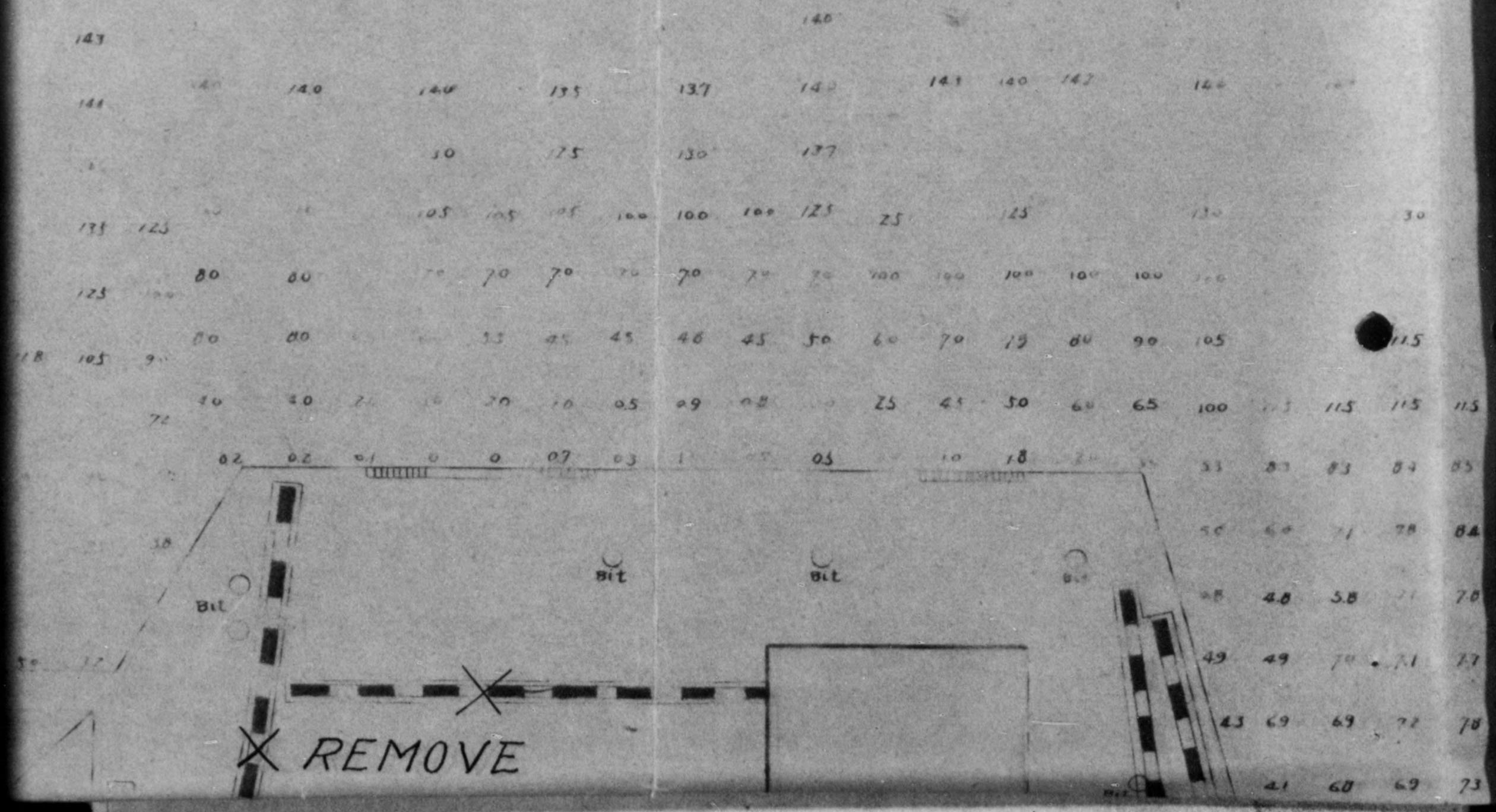
PLAN

X REM

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

呉港繋船堀附近平面圖 縮尺五百分

PLAN OF No 1 BERTH KURE POR



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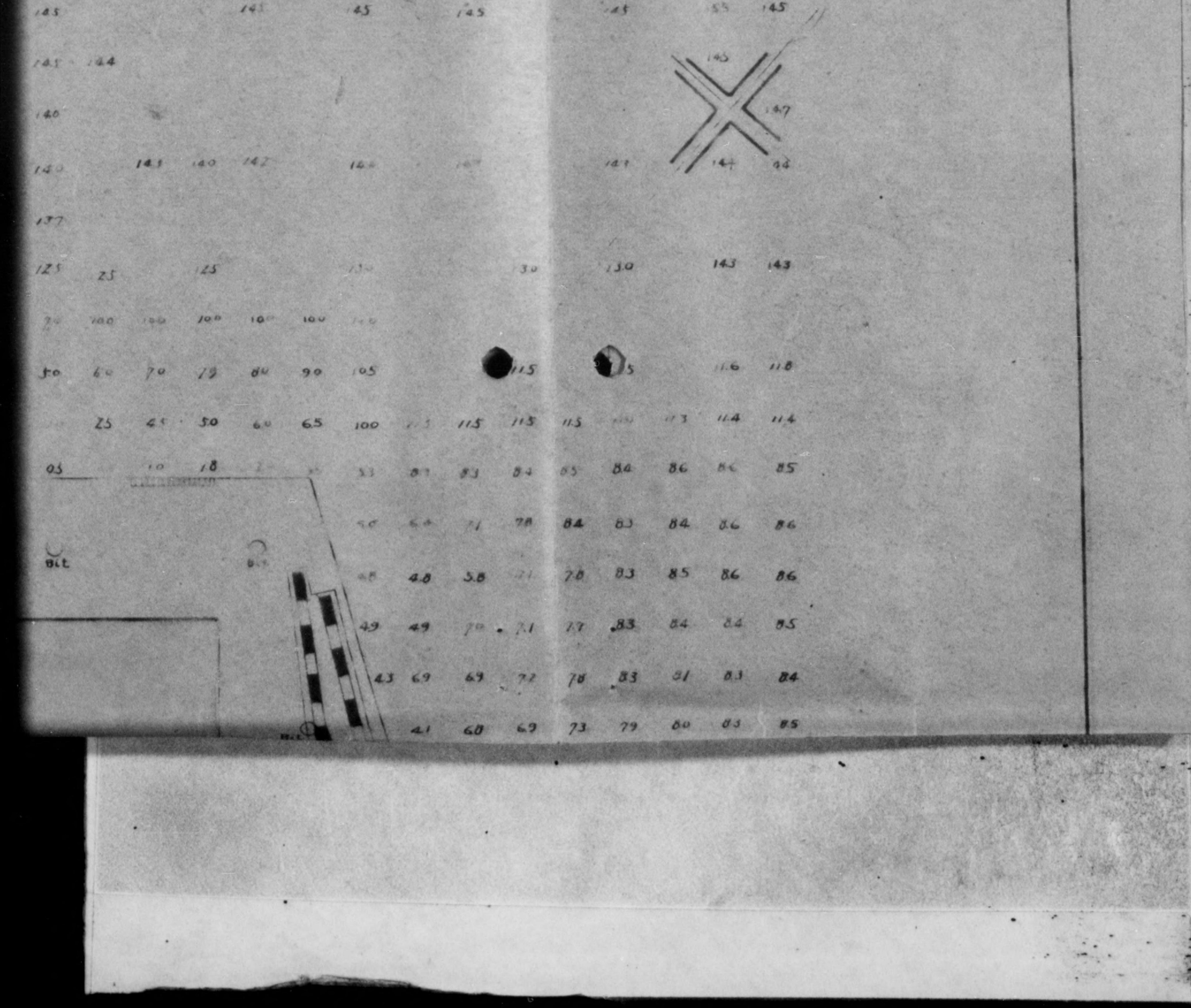
近平面圖 縮尺五百分之一

BERTH KURE PORT. Scale 1/500



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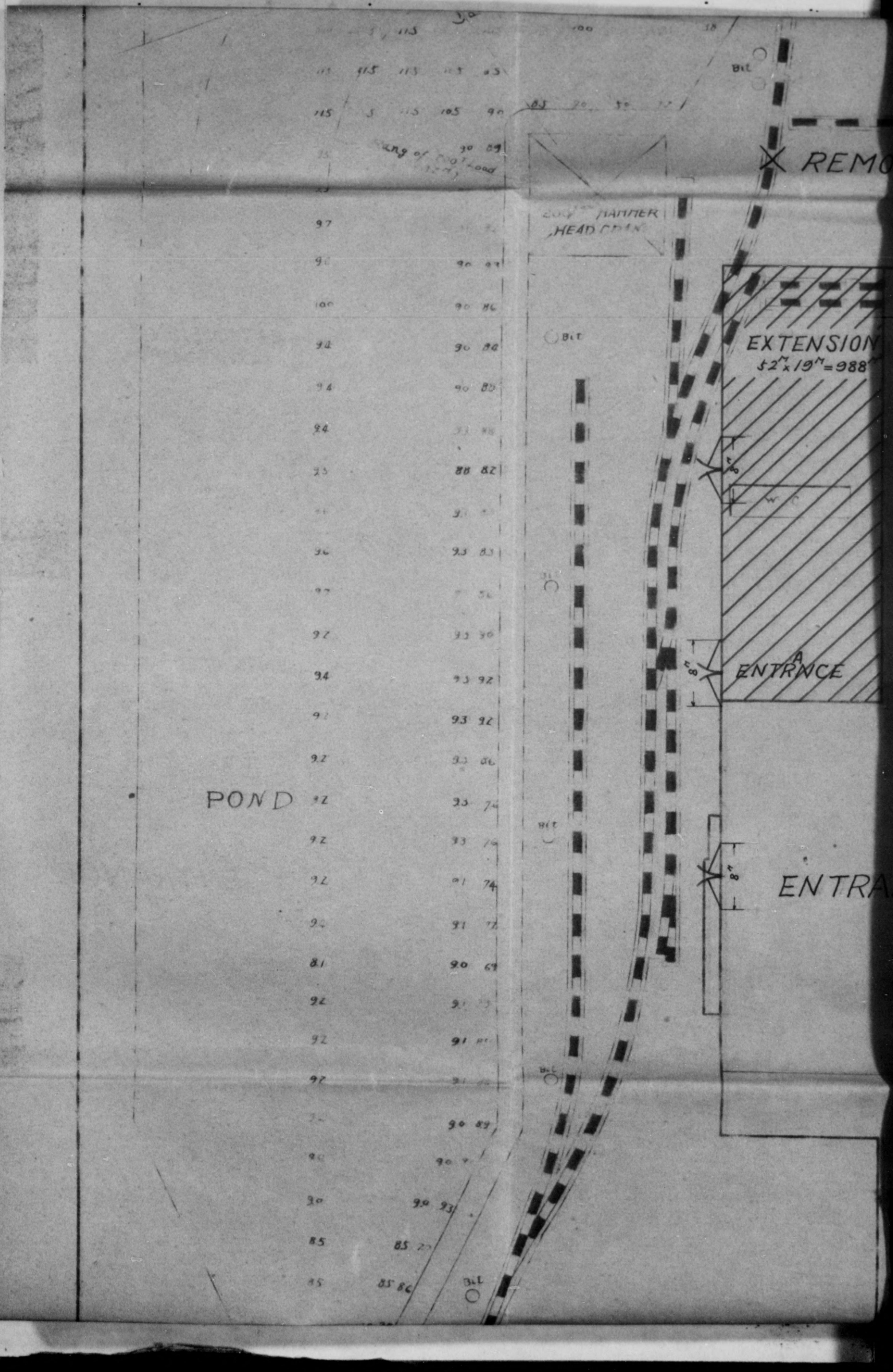

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Bit

Bit

Bit

Bit

Bit

Bit

REMOVE

EXTENSION
52m x 19m = 988m²

REPAIR
7.576 m²

ENTRANCE

ENTRANCE

W C

W C

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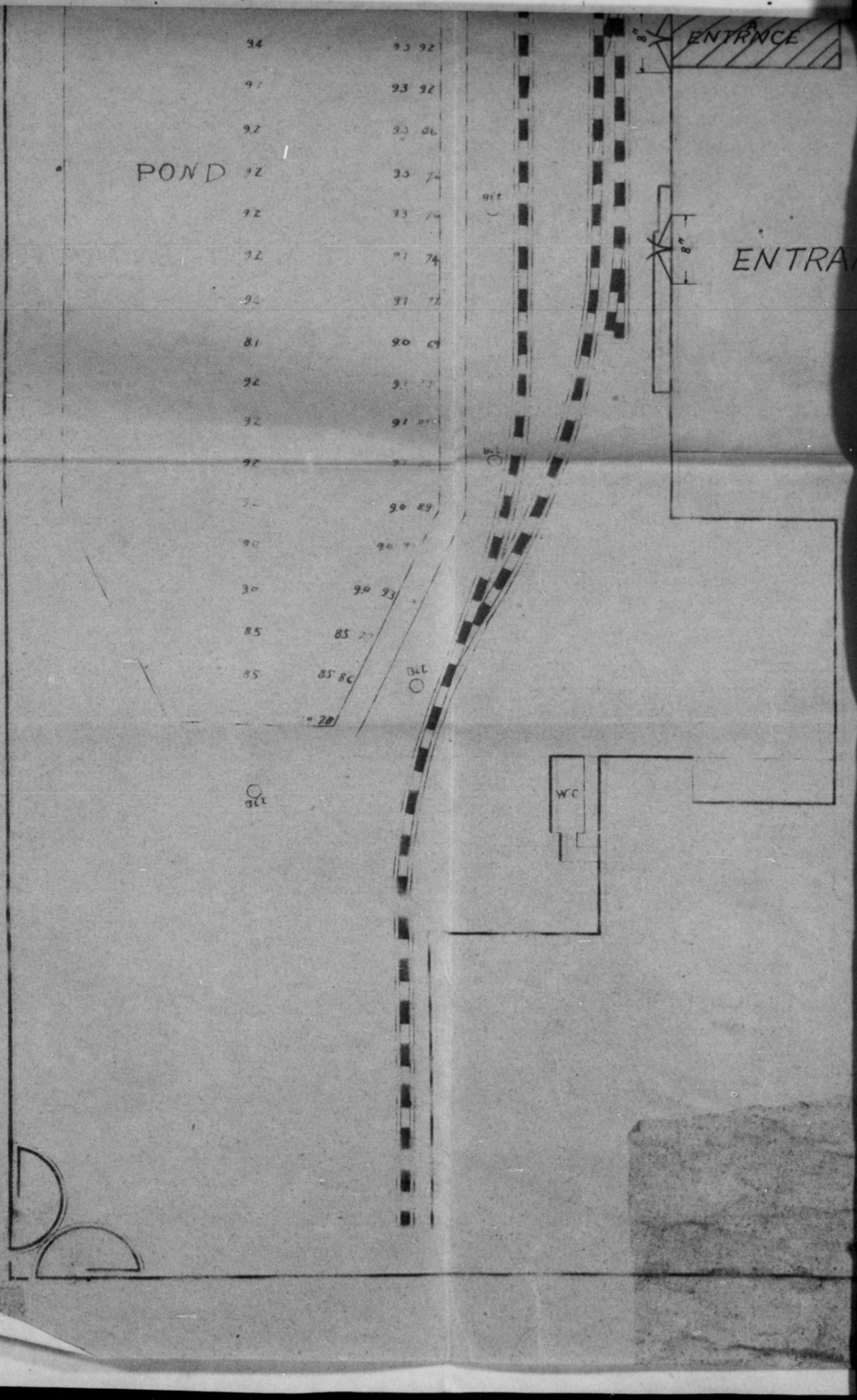

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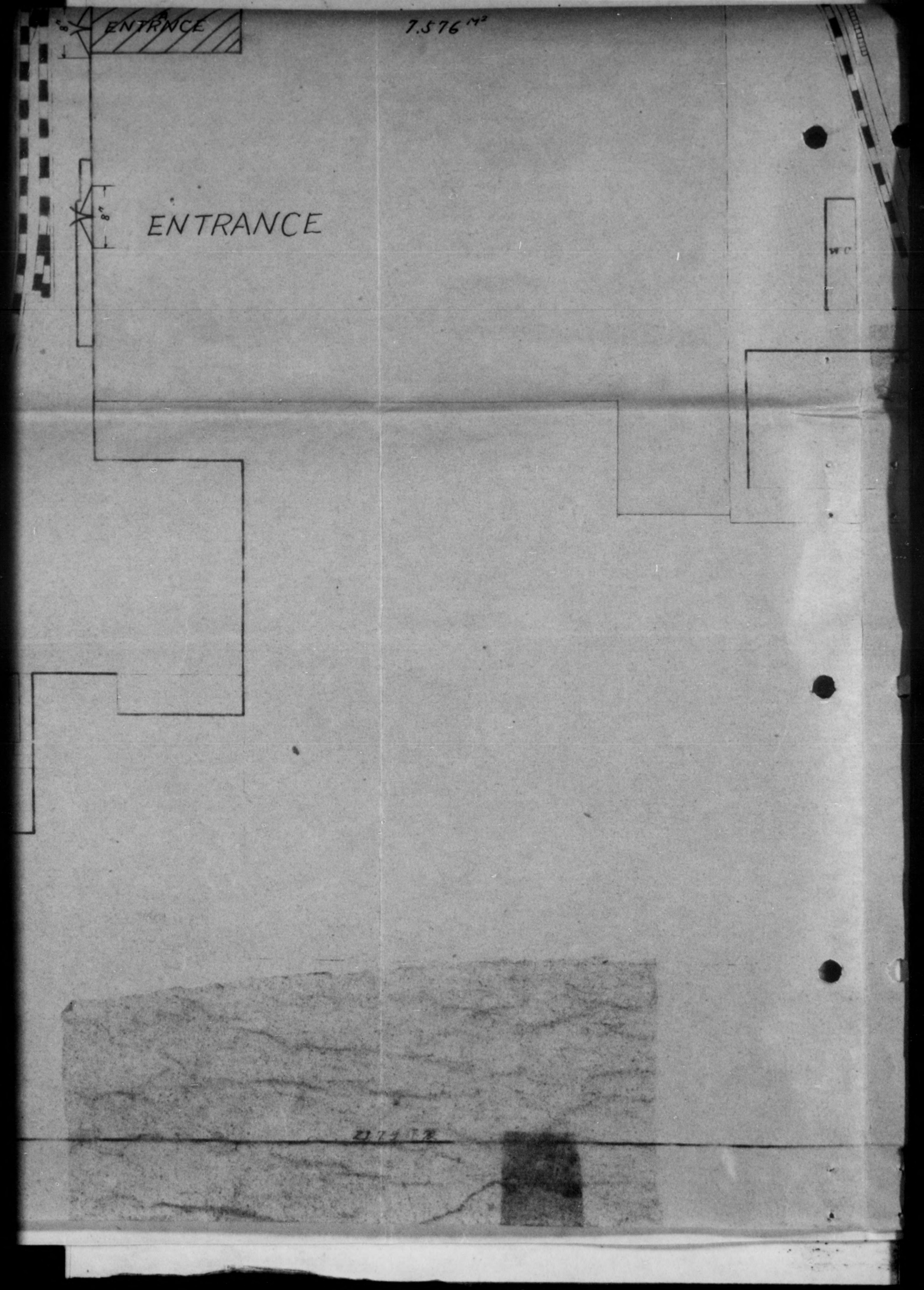

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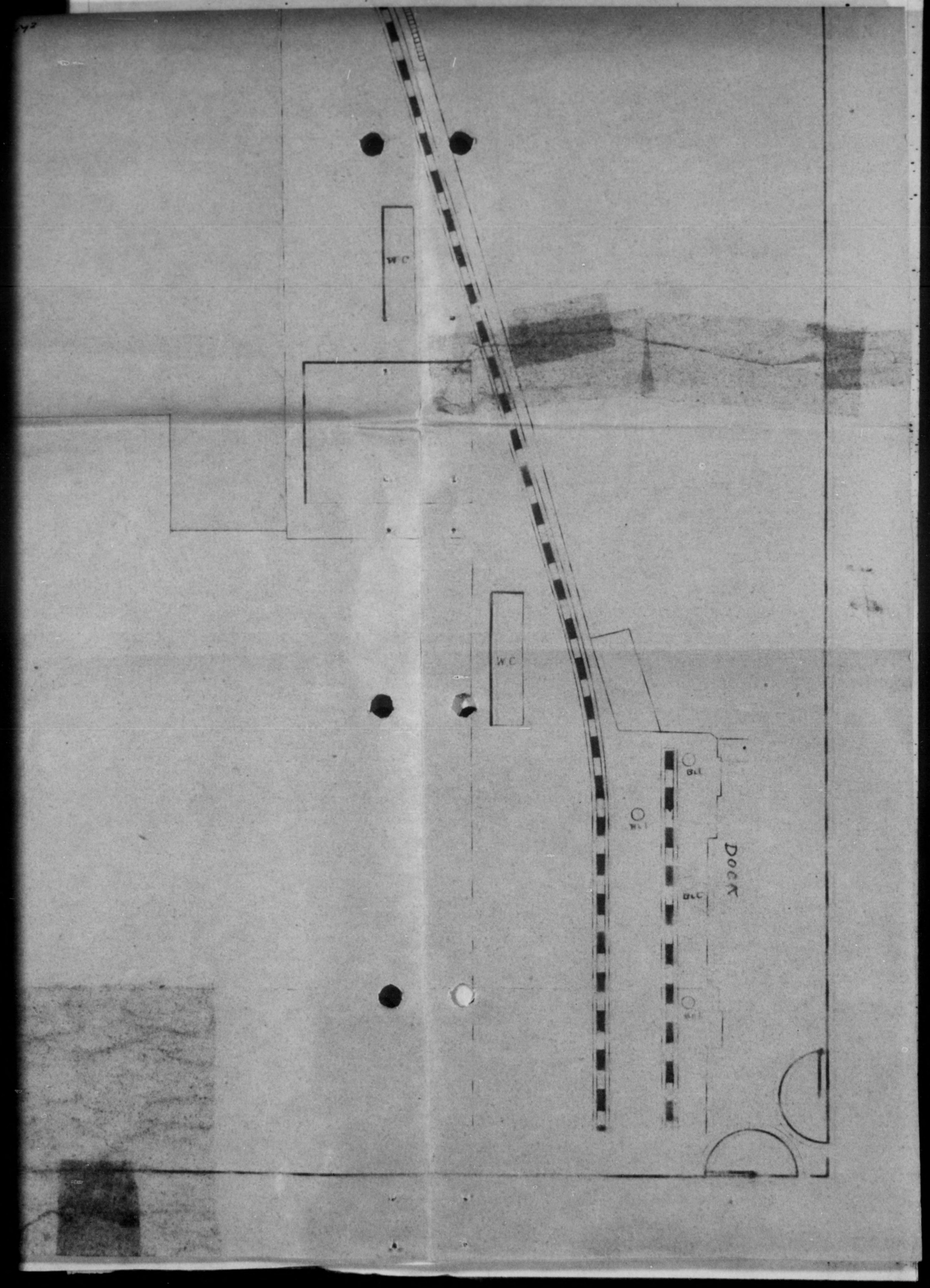

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

SUBJECT: PETITION

TO : Hon. Mr. T. Yamazaki,
Minister of Transportation.

FROM : T. Suzuki, Mayor of Kure City.
S. Noda, Chairman of Kure City Assembly.

Reference: SCAPIN 2103, Subject: "Revision of Scope of Activities in Former Japanese Naval Shipyards", 23 June 1950

22 Sept. '50

Out from the iron curtain of the old naval days, Kure Port is playing a very important part in the foreign trade having frequent visits of ships from all over the world since designated its opening as a trade port on the first day of January 1948. It was caused by the fact that there were rich stocks of scraps and reparation articles to be carried away from this port. According to the change of situation as numbers of those stocks decreased, there are no more removal of reparation articles to be sent out, and what is worse the export and import through this port are remarkably decreased. Inactivity of the port is heavily discussed among the local authorities.

From the viewpoint of import, there is nothing arrived here in this year inspite of the last year's 608, 071,000 yen. Adding to it Kure Docks of Harima Shipbuilding Works are in the most serious situation to continue their operation. These are the proofs of declining Kure Port. It is not too much to say that they are the fatal wounds of our city.

Being in such a situation the future of Kure City seems very dark at this moment, unless we have to consider the adequate measure upon the basis of firm plans for future at the present transition stage. The first thing to do for us is to strengthen the port facilities for the port's future development as a basis of import and export.