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

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Feed planer	24"	1	Unknown	Good
"	14"	1	"	"
Wood lathe	5'	2	Nippon Mokko	"
"	6'	4	Self-made	"
"	8'	1	"	"
"	12'	1	"	"
"		1	Kikukawa	"
Special lathe	40"	1	Self-made	"
Milling machine	31"X34"	1	Kikukawa	"
Wood working machines Total: 13 sets				
Air hammer	1/2 tons	1	Osaka Kikai	Under repairs
"	1/2 tons	1	Murayama Kikai	Good
Steem hammer	1/4"	1	Unknown	"
"	1/2"	2	Koa Shokai	"
"	3/4"	2	Unknown	"
"	1"	1	Kokura	"
"	1.1/2"	1	Massilen Fdy	"
"	3"	1	Teikoku	"
Hydraulic press	50T	1	Unknown	"
"	80T	1	Osaka Hase	"
"	150T	1	Unknown	"
"	1,000T	1	Shibaura Kyodo	Under Repairs
Friction press	1,000mm	1	Unknown	"
Notching press		1	Ezaki	Good
Hydraulic riveter	100T	1	Cormin Work	"
Winding machine		2	Shibaura	"
Binding machine		1	Self-made	"
Foot shear		1	Ezaki	"
Square shear	1/8"	1	"	"
Edge planer	25'	1	Unknown	"
"	30	1	Ueda	"
"	1mm	1	Self-made	"
Bending roller	8'-14"	2	Unknown	"
Punching machine	2'-6"	1	Okamoto	"
"	30mm	1	Unknown	"
Gas cutter	Universal	5	Self-made	
Press, hammer & shear Total: 34 sets				
Oxygen compressor	10 HP	1	Ishikawajima	Good
"	15 HP	1	Nihon Rikagaku	"
"	30 HP	1	Ishikawajima	"
Air compressor	90 cub.M/H	1	"	
"	180 cub.M/H	1	"	"
Accessories above		21		
02 compressor & its accessories Total : 27 sets				
Overhead crane	3T-35T	9	Ishikawajima & others	Good
"	30T & 50T	2	Hidachi & others	"
"	10T & 50T	3	Hidachi	"
"	10T & 35T	4	Ishikawajima	"

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

Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Overhead crane	5T-25T	4	Ishikawajima & others	Good
"	5T-80T	8	"	"
"	2T&10T	2	Showa Kiaki	"
Overhead crane Total :		32 sets		
Elect. dryer	50A 250°C	1	Shimazu	Good
Vacuum dryer		1	"	"
Elect. furnace	5T	1	Ushio	Under repairs
"	2T	1	Volts Co.	Good
"	0.2T	1	Toka	"
" High Erequenc	3.5 KW	1	Shimazu	"
"	30 KW	1	"	"
Cupola	1T-7T	5	Self-made	"
Drying furnace	Ordinary	4	"	"
Annealing furnace	"	3	"	"
"	"	2	"	"
Heating furnace	"	13	"	"
Furnace, Cupola & Dryers Total:		34 sets		
Boiler	8'X30'	1	Noma Tekkosho	Good
"	"	1	Self-made	"
High press boiler	42 kg/cm2 10T/H	1	"	"
Super heating boiler	" "	1	"	"
Water tube boiler	17kg/cm2 1T/H	1	Mitsubishi, Nagasaki	"
Cockran boiler	8 kg/cm2 1T/H	1	Unknown	"
Boiler Total :		6 sets		
Mixer	Mill type	8	Sanko & others	Good
Air blower	150 cub.m.	3	Hidachi & others	"
"	1,300cc.	1	Ota	"
Sand blast		2	Tairiku	"
Moulding machine	380X290mm	5	Kubota	"
F				
Foundry's miscellaneous equipment Total:		19 sets		
Electric moter	10-30HP.	8	Shibaura	Good
"	30-50HP.	3	Shibaura & others	"
"	10HP.	1	"	"
"	0.5-10HP	3	Mitsubushi & others	"
"	0.5-150HP.	15	Shibaura & others	"
"	0.5-50HP.	11	"	"
Motor generator	3.5 kw.	1 set	Self-made	"
"	5	1	"	"
"	600	1	Shibaura	"
Transformer	100-2,000 KVA	48	Hidachi & others	"
"	2-75 KVA	89	"	"

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

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
A.C. Arc welding machine	20 KVA	2	Hidachi	Good
"	30	2	Shibaura	"
A.C. Cycl. Arc. welding machine	NG-Y-5551	1	Osaka Henatsuki	"
"	200-180/30	1	"	"
"	NO-Y-7434	1	"	"
A.C. welding machine	11-36 KVA.	108	Hidachi & others	"
Automatic hydrogen welding machine	14 KW.	1	Shibaura	"
D.C.elect. welding machine	7.5 KW.	1	"	"
"	30 KW.	1	"	"
Spot welder	3.2mmX2	1	Osaka Denki	

Electric machines Total: 300 sets

Air compressor	100 HP.	1	Unknown	Good
Water braker	150 HP.	1	Self-made	"
"	3,000 HP.	3	"	"
Universal testing machine	50T	1	Olsen	"
"	100T	1	Akashi Seisaku	"
"	50T	1	Shimazu	"
Other small tester		36		"

Testing equipment Total: 44 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	4'-0"	2	Riken Kogyo	Ordinary
"	"	2	Shimamoto	"
"	6'-0"	6	Wakayama	5-Good 1-Under repairs
"	"	4	Hirano	Good
"	"	2	Numba	"
"	"	1	Nakashima	
"	7'-0"	1	Mitsubushi	
"	8'-0"	2	Wakayama	Good
"	"	2	Hirano	"
"	"	2	Masuda	"
"	"	1	Yamato	Ordinary
"	12'-0"	2	Osaka Kikai	Good
"	18'-0"	1	"	"
"	6'-0"	1	Hirano	Ordinary
"	8'-0"	14	Ryerson U.S.A.	"
"	10'-0"	2	"	"
"	12'-0"	1	"	"
Relieving lathe	8'-0"	1	Hatano Seiki	"
"	10'-0"	1	Hendy	"
Turret lathe	8'-0"	2	Warmer & Swasey	Good
Vertical lathe	12'-0"	1	Ishii Iron Works	"
"	60"	1	Hibi Iron Works	"
"	42"	1	Inoue Kogyo	Ordinary
Thread cutting lathe	3'-0"	3	Harada	2-Ordinary 1-Under repairs.

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Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Horizontal boring machine	No.3	1	Iwanaka	Ordinary
"	No.1	1	Toa Iron Works	
"	No.4	2	Hirano	1-Good 1-Under repairs
"	No.5	1	Wakayama	Under repairs
Drilling machine	2.0m	4	Raboma	Good
"	6'-0"	2	YodogaWa	"
"	4'-0"	2	"	1-Ordinary 1-Under repairs
"	"	1	Shindo	Ordinary
"	"	1	"	"
"	"	1	Toa	Good
"	"	1	Excello	Ordinary
"	32mm	3	Toa	"
"	2 HP	1	Maeda	
"	"	1	Yoshida	
"	"	1	Barness	
Planer	12'-0"	1	Shikishima	Good
"	8'-0"	1	Unknown	
Edge Planer	23'-0"	1	Kubota	Under fitting
"	30'-0"	1	"	Good
Shaper	20"	2	Toa	"
"	12"	1	Settsu	"
Slotter	11.3/4"	1	Iwamoto	"
"	6"	1	Masuda	
Pipe cutter	upto 150mm	1	Shiese	
Pipe threader	upto 3"	1	Toa	
Hack sawing machine	16"	2	Washino	Good
Milling machine	No.2	1	Milwaukee	
"	No.0	1	Cincinnatee	
"	No.2	2	Tateyama	Ordinary
"	"	1	Teikoku Seimitsu	"
"	No.0	1	Shinko	
"	No.1	2	Enshu kikai	1-Ordinary 1-Under repairs
"	No.2	1	Milwaukee	Good
"	"	2	Iwasa	1-Ordinary 1-Under repairs
"	No.3	1	Showa Koki	Ordinary
"	No.4	1	Hirano	"
"	No.1	1	Kyoto Kosakuki	"
"	No.2	1	Osaka Kiko	
Gear cutting machine	500mm	1	Hirano	
"	20"	1	Harada	
Grinding machine	12"	1	Norton	Good
"	No.2	1	Imaizumi	
"	"	1	Tanimura	
"		1	Washino	
"		1	Toyo Seiki	
"		1	Washino	Good
Grinder	18"	4	Kubo	"
"	8"	4	Chuo Denki	Ordinary
"	4.1/2"	1	Waida	"
"	1 HP	2	Hitachi	"

Machine Tool Total: 126 sets

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

Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Bending roller	1"X15'-0"	1	Ueda	Good
"	1/2"X8'-0"	1	Self-made	Ordinary
"	1,500mm	1	"	"
"	450mm	2	"	"
Gas cutting machine		2	Mori	Under repairs
"		2	Nippon Rika	
Annealing furnace	3.2X7.5m	1	Shinagawa Renga	Necessity for repair of brick
Grane	50T	1	Hitachi	Good
"	20T	2	"	"
"	10T	2	"	"
"	5T	1	"	"
Sand Packing machine		1	Self-made	Ordinary
Diesel locomotive	30 HP	1	Kato Works	"
Blower	2,600 cub.ft.	1	Osaka Sofuki	
Hydraulic pump	150kg/cm2			
	50 HP	1	Nissui Shokai	Good
Water test pump	50 kg/cm2	1	Toa Kogyo	Ordinary
Bar cutting machine	3 HP	1	Toa Shokai	
Centrifugal pump	7 cub.m.	2	Sasei pump	Ordinary
Pipe bender		1	Self-made	"
Drawing bench	5T	1	"	"
Oil separater	20 l/hr	2	Toa Kogyo	"
A.C. Welder	15 KW	79	Osaka Denki & Osaka Henatsuki	30-Good 49-Ordinary
"	30 KW	1	Osaka Denki	
"	"	1	Osaka Henatsuki	
"	150 KW	3	Osaka Denki	2-Good 1-Ordinary
Shearing machine	8mmX8'-0"	1	Osaka Press	Good
"	1"	1	Esaki Iron Works	Ordinary
Folding press	300T	1	Nissui Shokai	"
"	5 HP	1	Esaki	"
"		5	Self-made	"
Electric transformer	300 KVA	1	Hitachi	Good
"	200 KVA	6	2-Hitachi	"
			4-Meidensha	"
"	50 KVA	3	Unknown	"
Air compressor	500 cub. ft.	3	Baba Kikai	Under repairs

Equipment Total: 134 sets

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

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

RAW MATERIALS & SUPPLIES:-

DESCRIPTION	QUANTITY
Steel	20,764 T
Special steel	486 T
Pig-iron	500 T
Copper	50 T
Lumber	123,500 cub.ft.
Carbide	40 T
Cement	100 T

UNFINISHED GOODS:-

Hull Dept.

DESCRIPTION	CAPACITY	QUANTITY
New Ship Construction:-		
3B-2	4,860 G/T	1 ship
Small trawler	75 G/T	4 ships
Salt tray		27 pcs.
Repairing ships:-		
Kojimamaru	486 G/T	1 ship
Koa-maru No.2	300 "	1" "
Sangetsusan-maru	870 "	1 "
Hojyo-maru	2,417 "	1 "
Suma-maru No.1	250 "	1 "
Ex-Navy ship - Hata (Coast Defence Ship)	1,050 "	1 "
Kiku-maru	750 "	1" "
Taiho-maru	10,045 "	1 "
Fukuei-maru No.15	140 "	1 "
Chodorigo	10 "	1 "
Utaka-maru No.1	312 "	1 "
Mihiko-maru	6,888 "	1 "
Enshu-maru	6,872 "	1 "
Minazuki-maru	875 "	1 "
Ex-Navy ship - No.77 (Coast defence ship)	850 "	1 "
Mizushima-maru	341 "	1 "
Motor boat	12 "	1 "
Motor boat "Kasasagi"	36 "	1 "
Doryoku-maru No.1	200 "	1" "

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Ballast pump for B type	41 sets	65%
" " D "	26 "	25%
30 K.W. Steam dynamo	86 "	27%
Main condenser for 2A type ship	11 "	10%
Aux. " " "	5 "	20%
Feed heater " "	18 "	15%
Oil cooler " "	15 "	6%

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Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION IN %
Boiler No.2 type	7 sets	5%
5,000 HP. Diesel Engine	5 "	10%
750 HP. " "	3 "	8%
Main condenser for 3B type ship	5 "	20%
Aux. " " "	5 "	22%
Feed heater " "	5 "	20%
Oil cooler " "	5 "	25%
Boiler No.5 type	4 "	10%
Windlass for tug-boat	6 "	70%
Diesel engine No.22-10 type	5 "	40%
Evaporator 36 tons	26 "	45%
" 48 "	21 "	25%
" 72 "	12 "	45%
" 96 "	7 "	45%
Oil heater 5 cub.m.	124 "	35%
" 10 "	56 "	30%
Pump	48 "	20%
Small Diesel Engine (200HP)	10 "	3%
Medium Diesel Engine (400HP)	2 "	10%
Large flour mill	38 "	5%
High speed crusher	1,375 "	30%
Induction motor (7.5HP)	88 "	20%
Fitting-out job for small trawler or fishing boat	8 ships	5%
Farm tractor	1	50%

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Gas generator	2 sets	70, 30% resp
Gas Washer	2 "	30%
Electroliser	56 "	12%
Alcohol fine distiller	28 "	60%
Evaporator	1 "	50%
Lubricating oil plant	2 "	80, 50% resp
Contract oven	3 "	90%

8. Present stocks of Finished Goods:

Hull Dept.

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION
Ballast pump B type	1 set	Good
30 K.W. Steam dynamo	2 "	Operation test unfinished
Boiler No.5 type	4 "	Good
Diesel Engine No.22 - 10 type	3 "	2-Good 1-Operation test unfinished

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Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION
Evaporator	13 sets	Good
Oil heater	6 "	"
High speed crusher	80 "	"
Induction motor (7.5 HP)	7 "	"

Chemical Machinery Manufacutring Dept.

DESCRIPTION	QUANTITY	CONDITION
Gas washer	1	Good
Electroliser	14	"
Alcohol fine distiller	2	"
Rotary kiln	1	Ordinary

9. Present stocks of fuel:

DESCRIPTION	QUANTITY
Coal	205 T
Cokes	295 T
Heavy oil	65 T
Light oil	0.3 T

10. Additional machinery and equipment need for maximum production 1946-1947:

Hull Dept. Nil

Engineering Dept. Nil

Chemical Machinery Manufacturing Dept. Nil

11. Raw material & supplies needed (monthly)

a. FOR PRESENT CAPACITY (5b2 above)

Hull Dept.

DESCRIPTION	QUANTITY
Steel	500 T
Lumber	15,000 cub. ft.
Manila rope	5,000 kg.
Wire rope	1,800 "
Cork board	13,000 "
Cork dust	4,500 "
Cotton canvas	1,000 "
Paint	10,000 "
Copper	3,000 "
Zinc	2,000 "
Tin	150 "
Glass	500 "
Rubber	100 "

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Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Navy oil	20,000 kg.
Lubricating	2,000 "
Cement	20,000 "
Oxygen	7,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car(32"X6")	10 pcs.
Tube for car	10 "

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	20,000 kg.
Special steel	2,200 "
Pig-iron	62,000 "
Cast-iron scrap	62,000 "
Forged steel	28,000 "
Copper	2,100 "
Steel scrap	25,000 "
Lumber	400 cub.ft.
Carbide	6,500 kg.
Zinc	250 "
Tin	250 "
Ball Bearing	280 sets
White metal	2,100 kg.
Caustic Soda	650 "

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	69,000 kg.
Special steel	120 "
Cast iron	17,600 "
Cast steel	6,800 "
Forged steel	6,000 "
Copper	200 "
Lumber	8,000 cub.ft.
Oxygen	2,400 cub. m.
Carbide	4,500 kg.
Welding rod	2,000 "
Bolts and nuts	1,800 "
Valves and pieces	50 pieces

b. FOR MAXIMUM CAPACITY

Hull Dept.

DESCRIPTION	QUANTITY
Steel	750 T
Lumber	30,000 cub.ft.
Manila rope	7,000 kg.
Wire rope	2,200 "
Cork board	16,000 "
Cork dust	5,000 "

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Hull Dept.(Cont'd)

DESCRIPTION	QUANTITY
Cotton canvas	1,200 kg.
Paint	12,000 "
Copper	3,300 "
Zinc	2,400 "
Tin	200 "
Glass	600 "
Rubber	120 "
Heavy oil	20,000 "
Lubricating oil	2,000 "
Cement	22,000 "
Oxygen	8,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car (32"X6")	10 pieces
Tube for car (32"X6")	10 pieces

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	34,000 kg.
Special steel	13,000 "
Pig-iron	120,000 "
Cast-iron scrap	120,000 "
Forged steel	60,000 "
Copper	4,900 "
Steel scrap	70,000 "
Lumber	540 cub.ft.
Carbide	9,000 kg.
Zinc	500 "
Tin	500 "
Ball Bearing	850 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	210,000 kg.
Special steel	360 "
Cast iron	55,000 "
Cast steel	21,000 "
Forged steel	18,000 "
Copper	6000 "
Wood	24,000 cub.ft.
Oxygen	7,200 cub.m.
Carbide	13,500 kg.
Welding rod	6,000 "
Bolts & nuts	5,400 "
Valves and pieces	150 pieces

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

Hull Dept.

DESCRIPTION	QUANTITY
Coal	750 T
Cokes	60 T

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Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Charcoal	25T
Heavy oil	12T

Engineering Dept.

DESCRIPTION	QUANTITY
Coal	450 Tons
Cokes	150 "
Heavy oil	10 "

Chemical Machinery Manufacturing Dipt.

DESCRIPTION	QUANTITY
Coal	75,000 Kg.
Cokes	22,000 "
Heavy oil	4,500 "

13. Additional personnel needed: (Not locally available)

Hell Dept. Nil

Engineering Dept.

Special skills	Number
Pattern making	20
Forging	50
Casting	100

Chemical Machinery Manufacturing Dept.

SPECIAL SKILLS	NUMBER
Boiler making	50

14. Prices: (Give current selling prices in Yen of Principal products.)

Hull Dept.

DESCRIPTION	UNITS	PRICE
Repairing ship	Gross tonnage	¥ 100
Fishing boat	"	10,000
Repairing railway car	1 set	80,000
Steel structure	Steel ton	5,000
Lumber	Cub. ft.	6,000
Salt tray	1 piece	10,000
Steel bar	Ton	2,600
Rivet, bolt & nuts	Ton	5,000
Nail	Ton	15,000

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

Mitsui Shipbuilding Co.mLtd.

Engineering Dept.

DESCRIPTION	UNIT	PRICE IN YEN
New construction of fishing boat	Per G/T	5,000
Repair job of ship	"	50
Large flour mill	1 set	80,000
High speed crusher	"	7,500
Wood working machine	2 "	30,000
Cutter knife for wood working	"	500
Small Diesel Engine (200 HP)	"	300,000
Medium Diesel Engine (400 HP)	"	500,000
Hot bulb engine (2 00 HP)	"	200,000
Induction motor (7.5 HP)	"	4,000
Oxygen	Per 1,000 cub. m.	4,800

Chemical Machinery Manufacturing Dept.

DESCRIPTION	UNIT	PRICE IN YEN
Gas generator	1	5,000,000
Desuphuriser	1	4,800,000
Gas washer	1	150,000
Electroliser	1	12,000
Vacuum evaporator	1	1,800,000
Baking oven	1	240,000
Mixer	1	10,000
Boiling oven	1	75,000
Alcohol fine distiller	1	30,000

15. Remarks (Supplementary Statement)
Plan for Salvage and or Scrapping Operations

1. Plan for the Vessel
   a. Name Ikoma
   b. Type A.C.
   c. Tonnage 17,500
   d. Present Condition Stranded
   e. Location Shodoshima
2. Schedule for Operation
   a. Date of Start June 1946
   B. Date of Completion September 1946
   c. Outline of Operation
      The ship will be towed from the present location to the Tamano port between 2nd and 4th of June.
      Then the part above the lower deck will be cut during June, July and August and the part below the said deck in September. In each case the weight of the blocks will be from 3 to 50 tons.
      Thus by the end of September the Ikoma shall have no appearance as a ship. In and after October the blocks will be cut into smaller scraps.
3. Remarks
   a. Shortage of coal, coke, carbide and etc. especially the supply of carbide controlled by Government is too little for our demand.
   b. The detailed plan for operation will be submitted later on.

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

Mitsui Shipbuilding Co. Ltd.

16. Certification by applicant:

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

MITSUI SHIP BUILDING & ENGINEERING CO. LTD., TAMANO WORKS

Signed K. Kitamura.

Title: Manager.

17. Action by Occupation Forces:

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

a. Ordered to remain closed Yes ____ No ____

b. Ordered to cease operations immediately

Yes ____ No ____

c. Authorized to product at the following rate.

Item to be manufactured Monthly Quantity

Signature of Authorizing Officer

Designation of Authorizing Unit

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

IMPERIAL JAPANESE GOVERNMENT

TO : THE 36TH MILITARY GOVERNMENT CO. U.S. ARMY

FROM : Financial Ministry of the Japanese Government.

THROUGH : Central Liaison Office, Tokyo.

SUBJECT : Recommendation on scrapping of Former Naval Vessels. (Larger than Destroyers)

NO. 601/1

Date: June 1st 1946.

1. References:

SCAP Memorandum AG 045.93 (30 Apr 46) GD (SCAPIN-910) concerning "Destruction of Former Japanese Naval Vessels".

2. The Japanese Government hereby submits, as per enclosure, to the Headquarters of the 36th Military Government Co.U.S. Army, an application for scrapping operations of the Kuma by the Mitsui Shipbuilding and Engineering Co., Ltd. in accordance with the Item C Section 3 of the memorandum mentioned above.

3. The Japanese Government recommends the Mitsui Shipbuilding and Engineering Co., Ltd. as qualified to execute the scrapping operations.
Recognition has been given of the applicant's ability to complete the operations within the directed date and expansion of present industrial activities.
The operating schedule has been fixed as part of the general plan for undertaking Directive AG 045.93 (30 Apr 46) GD (SCAPIN-910) fully approved ComNavJap.

FOR THE MINISTER OF FINANCE:

H. Kato

(H. Kato)
Chief of State Property Bureau,
Ministry of Finance.

Enclosure: Application by the Mitsui Shipbuilding & Engineering Co., Ltd.

Incl #2

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

Mitsui Shipbuilding Co., Ltd.

Serial No. of Report

APPLICATION FOR CONVERSION
ND
REPORT ON INDUSTRIAL FACILITIES

To: 36th Military Government Company,
Okayama City.

From: Mitsui Ship-Building & Engineering Co.,Ltd.
Tamano Works.
Tama 10, Tamano-shi, Okayama Prefecture.

Date: May 31, 1946.

1. Name of Facility: Mitsui Ship-Building & Engineering Co.,Ltd., Tamano Works.
2. Location: Tama 10, Tamano-shi, Okayama Prefecture.
3. Name of Manager: Kahachi Kitamura
4. History:
   a. Date of construction:- Constructed & Operated in Nov., 1917 as a factory of Freight
   b. Date of first operation:- Dept. of Mitsui Bussan Co.,Ltd.

   Separated in July, 1937 as Tama Ship-Building & Engineering Co., Ltd. In Jan., 194? changed to present name.

c. 1935-1941 Production:-

Item	Year (fiscal year, from Oct. to Sept.) Unit	1935	1936	1937	1938	1939	1940	1941
New Construction Merchant ship	Ships	7	8	11	14	5	7	7
	¥1,000	8,910	11,588	18,216	20,422	9,048	15,445	12,884
Repair Merchant ship	Ships	173	162	173	221	204	195	179
	¥1,000	2,749	2,607	2,859	4,536	5,752	6,860	8,189
Conversion Merchant ship	Ships	-	-	-	2	-	-	3
	¥1,000				150			310
New construction Naval	Ship	-	1	1	-	3	1	4
	¥1,000		874	1,542		2,138	1,343	9,738
Repair, Naval	Ships	-	1	2	-	2	1	20
	¥1,000		10	730		26	414	1,025
Ship components & chemical industrial machineries	(Sets)	373	351	323	371	469	391	844
	¥1,000	1,033	1,207	836	1,149	1,475	2,698	4,534

d. Present capitalization:- ¥60,000,000.00 (¥45,000,000.00 paid up)

e. Changes made in capital structure since 1935:-

First capital, ¥ 10,000,000.00

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Increased in March 1942 to ¥30,000,000.00
(i.e. ¥ 20,000,000.00 increased)
Increased in March 1944 to ¥ 60,000,000.00
(i.e. ¥ 30,000,000.00 increased, but onehalf unpaid)

f. Name and address of parent company:-
Mitsui Honsha Ltd.,
1-1, Muromachi Nichome, Nihonbashi-ku, Tokyo.

g. Number of shares outstanding:- 1,200,000 shares

h. Number of stockholders (names of those owning 10% or more of total):-
Number of stockholders, 36
Names of those owning 10% or more of total, Mitsui Honsha Ltd., Tokyo. (represented by Takakimi Mitsui)

The Mitsuis, Tokyo. (jointly owned by Takakimi Mitsui and ten other persons)

i. Funds received from Government:- Nil

j. Outline sketch of plant lsyout with approximate dimension:-

5. Description:

a. Principal products:-

(1) WARTIME

Hull Dept.

New construction	A & B type ship
Fitting-out	Wooden boat (150 G/T)
Repair	Merchant boat

Engineering Dept.

Marine internal combustion engine(No.22-10 type, 2,250 BHP)
Evaporator & distiller for navy use
Oil heater for navy use
Ballast pump for B type ship
Steam Dynamo (30 K.W.) for marine use
Condensers for 2A type ship
Feed water heater for 2A type ship
Oil cooler for 2A type ship
Propeller for 2A type ship
Feed water pump for E type ship
500 H.P. Diesel Engine for E type ship
Marine boiler, Type No.2
Fitting-out of engine parts for 2A type ship
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator (for synthetic oil)
Methane cracking plant (")
Contact oven (")

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Chemical Machinery Manufacturing Dept. (Cont'd)

Lubricating oil plant
Steam accumulator
Ammonia collector
Gas washer
Automatic controller
Rotary kiln

Naval Boat Fitting-out Dept.

New construction: Coast defence ship
Submarine (middle & small type)

Repair: Coast defence ship
Submarine (middle & small type)

(2) AT PRESENT

Hull Dept.

Repair job of merchant boat and Ex-navy vessel for demobilization
Small trawler (75 G/T)
Tunny boat (95 G/T)
Salt tray
Steel bar (redrawn from the scraps)
Welding rod
Rivet, nail, bolt & nuts
Lumber
Etc.

Engineering Dept.

Ballast pump for B & D type ship
Condensers for 3B type ship
Feed heater for 3B type ship
Oil cooler for 3B type ship
Propeller for 3B, 3D type ship & tug boat
Windlass for Tug boat
Boiler, No.5 type
High speed impulse crusher
Induction motor (75 HP.)
Large flour mill
Castings and Forgings
Fitting-out of engine parts for fishing boat (75 G/T)
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator (for artificial fertilizer)
Electroliser "
Gas washer "
Boiling oven (for drink alcohol)
Alcohol fine distiller "

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Mitsui Shipbuilding Co.,Ltd.

Naval boat Fitting-out Dept.

Closed.

(3) PLANNED FOR 1946-47

Hull Dept.

Repair job of merchant boat & Ex-navy vessel for demobilization
Small trawler (75 G/T)
Tunny boat (95 G/T)
Repair job of railway car
Steel structures
Salt tray
Steel bar (redrawn from the scraps)
Welding rod
Rivet, nail, bolt & nuts
Lumber
Furnitures

Engineering Dept.

Small Diesel Engine (200 HP.) for fishing boat
Hot-bulb engine (200 HB) for fishing boat
Diesel Engine (400 HP.) for fishing boat
High speed impulse crusher
Large flour mill
Wood working machine
Form tractor
Cutter knife for wood working
Induction motor (7.5 HP.)
Fitting-out job for small trawler & fishing boat
Castings and Forgings
Repair job of ship
Repair job of steam locomotive
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)
Desulphuriser	"
Gas washer	"
Electroliser	"
Vacuum evaporator	(for salt making)
Evaporator	"
Baking oven	(for bread making)
Mixer	"
Rayon machinery	
Cement machinery	

b. Capacity:

(1) WAR TIME (During 1944)

Hull Dept.:

New construction:-

2A type ship	30 ships per year
Submarine	1 " "
Coast defence boat	6 " "

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Hull Dept. (Cont'd)

Repair:-

Merchant boat	580,451 G/T per year
Naval boat	7,767 displacement tons per year

Engineering Dept.

Main engine (2,250 BHP.) No.22-10 type	12	sets per year
Evaporator & Distiller (36 tons)	240	" "
Steam dynamo (30 K.W.)	60	" "
Fitting-out of engine parts for 2A type ship	30	ships "
Ballast pump, B type	120	sets "
Repair job of merchant boat	580,451	G/T "
Repair job of naval boat	7,767	displacement tons per year
Oxygen	780,000	cub. m. per year

Chemical Machinery Manufacturing Dept.

Gas generator	1	set per year
Methane cracking plant	1	" "
Contact oven	60	" "
Lubricating oil plant	1	" "

Naval boat Fitting-out Dept.

Coast defence boat	6	ships per year
Submarine	1.2	" "

(2) AT PRESENT

Hull Dept.

Repair job of merchant boat & Ex-Navy vessel for demobilization	50,000	G/T per month
Small trawler (75 G/T) & Tunny boat (95 G/T)	4	ships "
Salt tray	20	pieces "
Steel bar (redrawn from the scraps)	960	tons per year
Welding rod	180	" "
Rivet, bolt & nuts	80	" per month
Nail	8	" "
Lumber	180,000	cub.ft. per year

Engineering Dept.

Small Diesel Engine (200 HP.)	18	sets per year
Large flour mill	40	" "
High speed crusher	1,500	" "
Wood working machine	380	" "
Farm tractor	20	" "
Induction motor (7.5 HP.)	360	" "
Fitting-out job for fishing boat	48	ships "
Castings and forgings	2,400	tons "
Repair job of ships	600,000	G/T "
Oxygen	240,000	cub.m. "

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Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)	2 sets per year
Electroliser	"	180 " "
Gas washer	"	6 " "
Boiling oven	(for drink alcohol)	6 " "
Alcohol fine distiller	"	36 " "

Naval boat Fitting-out Dept.

Closed.

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

Hull Dept.

Repair job of merchant boat & Ex-Navy vessel for demobilization	720,000	G/T per year
Small trawler (75 G/T)	48	ships "
Tunny boat (95 G/T)	12	" "
Repair job of railway car	60	sets "
Steel structures	180	tons "
Salt tray	240	pieces "
Steel bar (redrawn from the scraps)	1,920	tons "
Welding rod	180	" "
Rivet, bolt & nuts	1,200	" "
Nail	240	" "
Lumber	420,000	cub.ft. "
Furnitures	2,400,000	Yen "

Engineering Dept.

Small Diesel Engine (200 HP.)	24	sets per year
Medium Diesel Engine (400 HP.)	6	" "
Hot-bulb engine (200 HP.)	24	" "
Large flour mill	60	" "
High speed crusher	2,400	" "
Wood working machine	600	" "
Cutter knife for wood working	2,400	" "
Induction motor (7.5 HP.)	600	" "
Fitting-out job of small trawler or fishing boat	48	ships "
Castings & Forgings	5,400	tons "
Repair job of ship	720,000	G/T "
Repair job of steam locomotives	6	sets "
Oxygen	600,000	cub.m. "

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)	5 sets per year
Desulphuriser	"	2 " "
Gas washer	"	6 " "
Electroliser	"	480 " "
Vacuum evaporator	(for salt making)	6 " "
Evaporater	"	12 " "
Baking oven	(for bread baking)	600 " "
Mixer	"	300 " "

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C. Number of Employees:

(1) WAR TIME (June, 1945)

Hull Dept.	5,300
Engineering Dept.	3,550
Chemical Machinery Manufacturing Dept.	510
Naval boat Fitting-out Dept.	1,060
Total:	10,420

(2) AT PRESENT (Feb., 1946)

Hull Dept.	1,250
Engineering Dept.	1,770
Chemical Machinery Manufacturing Dept.	350
Total:	3,370

(3) 1946-47 (at maximum capacity)

Hull Dept.	2,000
Engineering Dept.	2,500
Chemical Machinery Manufacturing Dept.	860
Total:	5,360

6. Machinery & Equipment in Plant:

Hull Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Double shearing machine	1,300 mm X 510 mm	1	Lion, U.S.A.	Good
Shearing machine	38 mm X 1,800 mm	1	England	"
Punch & shearing m/c	1,065 (gap)	1	Toa Tekko	"
"	915mmX510mm	1	Sumidagawa	"
"	790mmX305mm	1	Jones Burton	"
Radial drilling m/c	75mmX2,440mm	2	Raboma	"
Countersink drilling machine	50mmX3,280mm	1	Self-made	"
Double scarphing m/c	457mm	1	Toa Tekko	"
Edge planer	12,200mm	1	Self-made	"
Keel bender	20mmX7,620mm	1	Hase Tekko	"
Bending roller	32mmX9,150mm	1	"	"
"	19mmX3,160mm	1	Imagawa Kikai	"
Angle cutter & beam bender	150mmX150mmX20mm	1	Osaka Kikai	"
Rotary shear	13mm	1	Quick Work Co.	"
ngle bevelling machine		1	Self-made	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Hydraulic press	350T	1	Nozato Tekko	Good
"	350T	1	Kobe Seiko	"
"	300T	1	Suga Seisaku	"
"	200T	1	Osaka Jukogyo	"
"	140T	1	Unknown	"
Straighing roller	25mmx2440mm	1	Toa Tekko	"
"	1,560mm	1	Hills & Johnes	"
Hull-building proper machines Total: 23 sets				
Lathe	8'-0"	2	Hatano Seiki	Good
"	"	1	Unknown	"
"	6'-0"	2	Osaka Kikai	"
"	"	2	Unknown	"
Planer	2,000	1	Matsumoto Chuzo	"
Slotting machine	305mm	1	Shibayama Kikai	"
"	254mm	1	Kato Tekko	"
Shaping machine	550mm	1	Unknown	"
Horizontal milling machine	No.2	1	Tsubota Tekko	"
Turret lathe	4'-6"	1	Imaizumi Seisaku	"
High speed cutting machine	460mm	1	Sankei Kosaku	"
Tool grinder	210mmx457mm	1	Unknown	"
Bench grinder	1/2 HP	5	"	"
Radial drilling machine	5'-0"	1	"	"
Bar drawing machine	19mm 150 HP	1	"	"
"	"	1	"	Under setting
"	38mm	1	"	Good
"	45mm	1	"	"
Bar cutting machine	6mm	2	Self-made	"
"	6mm	1	Todoroki	"
"	19mm	2	Unknown	"
Nail making machine	19mm	1	"	"
"	38mm	1	"	"
"	65mm	1	"	"
"	90mm	1	"	"
"	150mm	1	"	"
"		3	"	"
Nut making machine	19mm	1	"	"
"	22mm	1	"	"
Screw cutting machine	32mmx1,220mm	6	Tanaka Tekko	"
"	32mmx1,525mm	4	Unknown	"
"	8	5	"	"
Wood screw making machine		10	"	"
Tapping machine	22	1	"	"
Up setter	10	2	"	"
" (Friction press)	13	1	"	"
" (")	38	1	"	"
" (Double header)	22	3	"	"
Air hammer	1/4T	1	Osaka Kyokan	"
Electric furnace	15K.V.A.	1	Unknown	"
High frequency electric furnace	20K.V.A.	1	Seidensha	"

Machine tools Total: 76 sets

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Hu Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Circular sawing machine	12"	1	Uroko Seisaku	Good
"		1	"	"
Band sawing machine	72"	1	Akimokukikai	"
"	48"	1	Yamada-Fusa	"
"	44"	1	Hosoda Shoji	"
"	42"	4	Masaki	"
"	42"	2	Akimokukikai	"
"	36"	2	"	"
"	30"	1	Hamanaka	"
Surfacer	30"	1	Uroko Seisaku	"
"	24"	1	Kikukawa	"
2 sides planing machine	20"	1	"	"
"	24"	1	Uroko Seisaku	"
3 sides planing machine	18"	1	Osada	"
4 sides planing machine	18"	1	"	"
"	24"	1	Kikukawa	"
"	20"	1	U.S.A.	Under repairs
"	24"	1	Ohashi Shoji	Good
Hand planing	12"	2	Nippon Mokko	"
"	10"	1	Unknown	Under repairs
"	8"	1	Uroko Seisaku	Good
Rounding machine		1	Kikukawa	"
"		2	Unknown	"
Hollow chiesel mortiser		1	Uroko Seisaku	"
"		1	Nippon Mokko	"
Wood lathe	8'-0"	1	Uroko Seisaku	"
"	6'-0"	2	Unknown	"
"	6'-0"	2	Komazawa Tekko	Under repairs
"	Horizontal	1	Unknown	"
Moulding machine	Double spindle	1	Kikukawa	Good
Tenoner		1	Nippon Mokko	"
Wood milling machine		1	Unknown	Under repairs
Desk sander		1	"	"
Saw sharpner		1	Uroko Seikaku	Good
"		7	Unknown	"
Sharpner		1	"	Under repairs
Knife grinder		1	Kikukawa	Good
Upright drilling machine		1	Nishikawa	"
"		1	Uroko Seisaku	"
Wood machine, tools	Total: 54 sets			
Air compressor	1,000 cub.ft.	5	Subilivan	Good
"	500 cub.ft.	1	"	"
"	"	2	Teikoku Sakuganki	"
Hydraulic pump	(2 acting, 3 cy½.) 100 kg/cm	1	Osaka Jukogyo	"
Centrifugal pump (for compressor)	Dis.100mm	1	Heishin Seisaku	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Turbine pump (for compressor)	Dia.150mm	1	Self-made	Good
Pump (for dock)	175 HP.	2	Unknown	"
"	12 "	1	"	"
"	25 "	1	"	"
"	100 "	1	"	"
"	20 "	1	"	"
"	185 "	2	"	"
"	15 "	1	"	"
Blower	Dia.240mm	2	"	"
"	" 200mm	2	"	"
"		4	"	"
Roller mixer	1,300	2	Fukui Tekko	"
"		2	Unknown	"
Crusher		1	"	"
" (boll mill)	Dia.1,300	1	"	"
"	" 760	1	"	"
" (for coke)	Dia.of dram 150mm	1	Self-made	"
Winch	15HP	1	Goto Kikai	"
"	3,000HP	1	"	"
Capstan	5 T	1	Unknown	"
Auxiliary machines Total:		39 sets		
Tower crane	5T-10T	2	Sumitomo Kikai	Good
"	3T- 6T	1	Ishikawajima	"
"	4T- 8T	1	Showa Kijuki	"
"	5T-10T	1	"	"
"	3.5T- 7T	1	"	"
Overhead crane	10T	2	Hitachi Seisaku	"
"	5T	4	"	"
"	5T	2	Showa Kijuki	"
"	5T	2	Koeisha	"
"	5T	1	Self-made	"
"	3T	1	"	"
Steam crane	5T	5	Unknown	"
"	5T	1	Self-made	"
"	3T	2	Unknown	"
Floating crane	120T	1	Self-made	"
"	60T	1	"	"
Tug boat (Uno-maru)	155 G/T 570 HP	1	Self-made	"
" (Kojima-maru)	104 G/T 530 HP	1	"	"
" (Hibi-maru)	84 G/T 400 HP	1	"	"
" (Wada-maru)	34 G/T 100 HP	1	"	"
" (Fukai-maru)	73 G/T 51 HP	1	"	"
" (Tama-maru)	9 G/T 52 HP	1	"	"
Direct Auxiliary Equpment Total:		34 sets		
Small boat (Sansha-maru)	90 G/T 50 HP	1	Uchimado Dock	Good
" (Seifuku-maru)	100 G/T 45 HP	1	Unknown	"
" (Suejiro-maru)	110 G/T 40 HP	1	"	"
" (Kiju-maru No.8)	120 G/T 32 HP	1	"	"
" (Atsuura-maru)	40 G/T 60 HP	1	"	"
" (Kisho-maru)	60 G/T 30 HP	1	"	"
" (Shoei-maru)	50 G/T 30 HP	1	"	"
" (Myoken-maru)	100 G/T 30 HP	1	"	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Small boat (Chifuku-maru)	25 G/T 15 HP	1	Unknown	Good
"	15 HP	1	"	"
"	10 HP	1	"	"
Truck	4 T	5	Nissan	Good
"	4 T	3	Toyoda	"
"	4 T	1	Ford, U.S.A	"
"	0.5 T	3	Matsuda	"
"		1	Daihatsu	"
"		1	Nisshin	"
"		1	Kokurai	"

Auxiliary equipment for general use Total: 26 sets

D.C.arc welding machine	7.5 K.W.	1	Shibaura	Good
"	10 K.W.	1	"	"
"	10 K.W.	1	Hitachi	"
Spot welding machine	30 K.".	1	Holden & Hunt	"
A.C. arc welding machine	10 KS ABA	1	Osaka Denki	"
"	15 KW ABA-E	2	"	"
"	15 KW ABA-N	133	"	"
"	15 KW ABA	95	"	"
"	30 KW ABA-N	5	"	"
"	29 KVA WP-AC	6	Hitachi	"
"	11.4 KVA AW-N	10	"	"
"	12.5 KW AW-N	15	"	"
"	16.5 KW AW-N	25	"	"
"	35 KVA AW-N	16	"	"

Electric welding machine Total: 312 sets

Engineering Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	60'	1	Wakayama	Good
"	48'	1	Right	Under fitting
"	39'	1	Hulse	Good
"	20' 24'	2	Henry Broadlent	"
"	20'	2	Henry & Maeda	"
"	14'-30'	3	Ikegai	"
"	14'-18'	3	Johnlang	"
"	18'	1	Takizawa	"
"	18'	1	Johnlang	"
"	14'	1	Hirano	"
"	14'	1	Johnlang	"
"	10'	1	Ryerson	Under fitting
"	8'	2	Fuji	Good
"	8'	5	Toyo	"
"	8'	2	Wakayama	"
"	8'	1	Toa Kosaku	Under fitting
"	8'	1	Toa Shokai	"
"	8'	1	Ryerson	Good
	8'	1	Toa	"

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Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	6'	10	Osaka Kikai	Good
"	6'	13	Hirano	"
"	6'	5	Hukuhara	"
"	6'	1	Shown	"
"	6'	2	Toa	"
"	6'	3	Osaka Kikai	Under fitting
"	6'	11	Wakayama	Good
"	6'	1	Ishihara	"
"	6'	2	Asahi	"
"	4'	3	Hokuriku	"
"	4'	4	Mitsui	"
"	4'	1	Washino	"
"	3'	1	Unknown	Under fitting
Vertical lathe	50"	1	Kisha	Good
"	42"	1	Inoue	"
"	30"	1	"	"
"	12'	1	Kojima	"
"	6'	1	Gisholt	"
"	4'	1	Kisha	"
"	8'	1	Betta	"
Turret lathe	No.3	2	Warner & Swasey	"
"	"	2	Teikoku	"
"	"	2	Kokusan	"
"	No.2	2	Hirano	"
"	"	1	Hidachi	"
"	"	1	Hirano	"
"	No.1	1	"	"
"	75mm	1	Alfred Herbert	"
Automatic lathe	27-45 mm	2	Cleveland	Under fitting
Screw cutting machine	1.1/4"	4	Harada	Good
"	2"	1	Fuji	"
"	1.1/4"	1	Landis	Under fitting
"	2"	1	Mitsui	"
Crank pin lathe	1,650mm	1	Self-made	Good
"	1,300mm	1	"	Under fitting
Radial drilling machine	8'-10'	4	Self-made	Good
"	8'	1	Haboma	"
"	7'	1	Asquith	"
"	5'-7'	4	Asquith 1.	"
			Ikegai 1.	"
			Wakayama 2.	"
"	6'	1	Yodogawa	"
"	5'	1	Okazaki	"
"	5'	1	Cincinati	"
"	5'	1	Unknown	"
"	4'	2	Yodogawa	Under repairs
"	3'7"	1	Osaka	Good
"	1.1/4'	1	Wakayama	"
"	1.1/4'	1	Unknown	"
"	1,725 mm	1	Wakayama	"
"	1,725 mm	1	Ikegai	"
"	1,750 mm	3	Wakayama	"

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Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Vertical drilling machine	642mm	1	Yoshida	Good
" "	642mm	1	Yoshida	"
" "	460mm	1	Boshoku	"
" "	460mm	2	Yodogawa	"
" "	320mm	1	Self-made	"
" "	1.1/4'	1	Wakayama	"
" "	9/16'	1	Hidachi	"
" "	480mm	1	Yoshida	Under fitting
"	380mm	1	Smith & Coventry	"
"	1.5/8'	1	Unknown	Good
"	1'	1	Yoshida	"
Horizontal boring machine	1,220mm	1	Wakayama	"
"	1,220mm	2	Hirano	1-Good 1-Under fitting
"	760mm	1	Osumi	Good
"	130mm	1	Shibaura	"
"	130mm	1	Self-made	"
"	580mm	1	"	"
"	90mm	1	Wakayama	"
"	914mm	3	Karatsu	"
"	No.2	1	Ranno	"
"	No.2	1	Tsutsumi	"
"	1,299mm	2	Self-made	Under fitting
"	254mm	1	Hulse	"
Cylindorical Boring machine	500mm	1	Self-made	"
Propeller boring machine	800mm	1	"	"
Jig boring machine	150mm	1	Mitsui Seiki	Good
Horizontal milling machine	No.4	1	Cincinati	"
"	No.2	1	Milwaukee	"
"	No.0	1	Hirano	"
"	No.2	1	Nomoto	"
Vertical milling machine	No.3-4	3	Cincinati	"
"	No.2	4	Milwaukee	"
"	No.4	1	Hirano	"
"	No.3	1	Mita	"
"	No.1.5	1	Toa	"
"	No.2	1	Reken	"
"	No.2	1	Osaka	"
"	No.5	1	Showa	Under fitting
Milling machine	No.2	1	Hidachi	Good
"	No.3	1	Showa	"
"	No.4	1	Hirano	"
"	No.5	2	Showa	"
"	2,440mm	1	Muir	"
Universal milling machine	1,016mm	1	Karatsu	"
"	No.2	1	Cincinati	Under fitting
Can milling machine	660mm	1	Self-made	Under fitting
Portable drilling machine		1	Kisha	Under repairs
Universal grinder	400mm	1	Cincinnati	Good
"	305mm	1	Hayashi	"
"	228mm	1	Kellenberger	"

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

Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION		CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Horizontal cylindorical grinder		1,030mm	1	Naxos Union	Good
"		360mm	1	Norton	"
Internal grinder		200mm	1	Kellerberger	"
"		1,000mm	1	Self-made	"
Surface grinder		737mm	1	Billeter	"
"		910mm	1	Okegai	Under fitting
Cam grinder		460mm	1	Reinecker	Good
Tool grinder			1	Cincinati	"
			1	Foreign maker	"
Centerless grinder		60mm	1	Nippon Memma	"
Gear grinding machine			1	"	"
Gear lapping machine		500mm	1	Okamoto	"
Gear cutting machine		2,200mm	1	Lorenz	"
"		1,060mm	1	Sonoike	"
"		850mm	1	Nitta	"
"		360mm	1	Kashikuji	"
"		18'	1	Gleason	"
"		915mm	1	Fellow	Under fitting
Planer		24'	1	Shibaura	Good
"		12'-14'	2	Matsumoto	1-Good 1-Under repairs
"		8'	1	Matsumoto	Good
		18'	1	Ton	Under fitting
Slotter		740mm	1	Nippon Jukogyo	Good
"		533mm	1	Hulse	"
"		330mm	1	Hidachi	"
"		310mm	1	Osaka Kikai	"
"		230mm	1	Fujita	"
		228mm	2	Ranno	"
		220mm	2	Masuda	Under repairs
"		10mm	1	Shibayama	Good
"		610mm	1	Canada	Under fitting
Shaper		1,800mm	1	Shibaura	Good
"		24'	2	Chiba	"
"		22'	2	Takeuchi	"
"		350mm	1	Toa	"
"		250mm	1	Takeuchi	"
"		15'	1	Asano	
"		480mm	1	Self-made	Under fitting
"		500mm	1	Samuki	Good
Sawing machine	Hack	2.1/2'	1	Sakai	"
"	"	20'	1	Tairiku	"
"	Band	36'	2	Chashi	"
"	Circular	18'	1	Unknown	"
"	Hack	14'	1	Washino	"
"	Band		1	Unknown	"
"	Hack	150mm	1	Hirano	Under fitting
"	Circular	520mm	1	Earle	"
	Band	455mm	1	Chashi	"

Machine tool Total: 258 sets

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

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Feed planer	24"	1	Unknown	Good
"	14"	1	"	"
Wood lathe	5'	2	Nippon Mokko	"
"	6'	4	Self-made	"
"	8'	1	"	"
"	12'	1	"	"
		1	Kikukawa	"
Special lathe	40"	1	Self-made	"
Milling machine	31"X34"	1	Kikukawa	"
Wood working machines Total: 13 sets				
Air hammer	1/2 tons	1	Osaka Kikai	Under repairs
"	1/2 tons	1	Murayama Kikai	Good
Steem hammer	1/4"	1	Unknown	"
"	1/2"	2	Koa Shokai	"
"	3/4"	2	Unknown	"
"	1"	1	Kokura	"
"	1.1/2"	1	Massilen Pdy	"
"	3"	1	Teikoku	"
Hydraulic press	50T	1	Unknown	"
"	80T	1	Osaka Hase	"
"	150T	1	Unknown	"
"	1,000T	1	Shibaura Kyodo	Under Repairs
Friction press	1,000mm	1	Unknown	"
Notching press		1	Ezaki	Good
Hydraulic riveter	100T	1	Cormin Work	"
Winding machine		2	Shibaura	"
Binding machine		1	Self-made	"
Foot shear		1	Ezaki	"
Square shear	1/8"	1	"	"
Edge planer	25'	1	Unknown	"
"	30	1	Ueda	"
"	1mm	1	Self-made	"
Bending roller	8'-14"	2	Unknown	"
Punching machine	2'-6"	1	Okamoto	"
"	30mm	1	Unknown	"
Gas cutter	Universal	5	Self-made	
Press, hammer & shear Total: 34 sets				
Oxygen compressor	10 HP	1	Ishikawajima	Good
"	15 HP	1	Nihon Rikagaku	"
"	30 HP	1	Ishikawajima	"
Air compressor	90 cub.M/H	1	"	
"	180 cub.M/H	1	"	"
Accessories above		21		
O2 compressor & its accessories Total : 27 sets				
Overhead crane	3T-35T	9	Ishikawajima & others	Good
"	30T & 50T	2	Hidachi & others	"
"	10T & 50T	3	Hidachi	"
"	10T & 35T	4	Ishikawajima	"

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

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Overhead crane	5T-25T	4	Ishikawajima & others	Good
"	5T-80T	8	"	"
"	2T&10T	2	Showa Kiaki	"
Overhead crane Total :		32 sets		
Elect. dryer	50A 250°C	1	Shimazu	Good
Vacuum dryer		1	"	"
Elect. furnace	5T	1	Ushio	Under repairs
"	2T	1	Volts Co.	Good
"	0.2T	1	Toka	"
" High Brequency	3.5 KW	1	Shimazu	"
"	30 KW	1	"	"
Cupola	1T-7T	5	Self-made	"
Drying furnace	Ordinary	4	"	"
Annealing furnace	"	3	"	"
"	"	2	"	"
Heating furnace	"	13	"	"
Furnace, Cupola & Dryers Total: 34 sets				
Boiler	8'X30'	1	Noma Tekkosho	Good
"	"	1	Self-made	"
High press boiler	42 kg/cm2 10T/H	1	"	"
Super heating boiler	" "	1	"	"
Water tube boiler	17kg/cm2 1T/H	1	Mitsubishi, Nagasaki	"
Cockran boiler	8 kg/cm2 1T/H	1	Unknown	"
Boiler Total :		6 sets		
Mixer	Mill type	8	Sanko & others	Good
Air blower	150 cub.m.	3	Hidachi & others	"
"	1,300cc.	1	Ota	"
Sand blast		2	Tairiku	"
Moulding machine	380X290mm	5	Kubota	"
F				
Foundry's miscellaneous equipment Total: 19 sets				
Electric moter	10-30HP.	8	Shibaura	Good
"	30-50HP.	3	Shibaura & others	"
"	10HP.	1	"	"
"	0.5-10HP	3	Mitsubushi & others	"
"	0.5-150HP.	15	Shibaura & others	"
"	0.5-50HP.	11	"	"
Motor generator	3.5 kw.	1 set	Self-made	"
"	5	1	"	"
"	600	1	Shibaura	"
Transformer	100-2,000 KVA	48	Hidachi & others	"
"	2-75 KVA	89	"	"

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

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
A.C. Arc welding machine	20 KVA	2	Hidachi	Good
"	30	2	Shibaura	"
A.C. Cycl. Arc. welding machine	NG-Y-5551	1	Osaka Henatsuki	"
"	200-180/30	1	"	"
"	NO-Y-7434	1	"	"
A.C. welding machine	11-36 KVA.	108	Hidachi & others	"
Automatic hydrogen welding machine	14 KW.	1	Shibaura	"
D.C. elect. welding machine	7.5 KW.	1	"	"
"	30 KW.	1	"	"
Spot welder	3.2mmX2	1	Osaka Denki	

Electric machines Total: 300 sets

Air compressor	100 HP.	1	Unknown	Good
Water braker	150 HP.	1	Self-made	"
"	3,000 HP.	3	"	"
Universal testing machine	50T	1	Olsen	"
"	100T	1	Akashi Seisaku	"
"	50T	11	Shimazu	"
Other small tester		36		"

Testing equipment Total: 44 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	4'-0"	2	Riken Kogyo	Ordinary
"	"	2	Shimamoto	"
"	6'-0"	6	Wakayama	5-Good 1-Under repairs
"	"	4	Hirano	Good
"	"	2	Numba	"
"	"	1	Nakashima	
"	7'-0"	1	Mitsubushi	
"	8'-0"	2	Wakayama	Good
"	"	2	Hirano	"
"	"	2	Masuda	"
"	"	1	Yamato	Ordinary
"	12'-0"	2	Osaka Kikai	Good
"	18'-0"	1	"	"
"	6'-0"	1	Hirano	Ordinary
"	8'-0"	14	Ryerson U.S.A.	"
"	10'-0"	2	"	"
"	12'-0"	1	"	"
Relieving lathe	8'-0"	1	Hatano Seiki	"
"	10'-0"	1	Hendy	"
Turret lathe	8'-0"	2	Warner & Swasey	Good
Vertical lathe	12'-0"	1	Ishii Iron Works	"
"	60"	1	Hibi Iron Works	"
"	42"	1	Inoue Kogyo	Ordinary
Thread cutting lathe	3'-0"	3	Harada	2-Ordinary 1-Under repairs.

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

Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Horizontal boring machine	No.3	1	Iwanaka	Ordinary
"	No.1	1	Toa Iron Works	
"	No.4	2	Hirano	1-Good 1-Under repairs
"	No.5	1	Wakayama	Under repairs
Drilling machine	2.0m	4	Raboma	Good
"	6'-0"	2	Yodogawa	"
"	4'-0"	2	"	1-Ordinary 1-Under repairs
"	"	1	Shindo	Ordinary
"	"	1	"	"
"	"	1	Toa	Good
"	"	1	Excello	Ordinary
"	32mm	3	Toa	"
"	2 HP	1	Maeda	
"	"	1	Yoshida	
"	"	1	Barness	
Planer	12'-0"	1	Shikishima	Good
"	8'-0"	1	Unknown	
Edge Planer	23'-0"	1	Kubota	Under fitting
"	30'-0"	1	"	Good
Shaper	20"	2	Toa	"
"	12"	1	Settsu	"
Slotter	11.3/4"	1	Iwamoto	"
"	6"	1	Masuda	
Pipe cutter	upto 150mm	1	Shiese	
Pipe threader	upto 3"	1	Toa	
Hack sawing machine	16"	2	Washino	Good
Milling machine	No.2	1	Milwaukee	
"	No.0	1	Cincinnatee	
"	No.2	2	Tateyama	Ordinary
"	"	1	Teikoku Seimitsu	"
"	No.0	1	Shinko	
"	No.1	2	Nishu Kikai	1-Ordinary 1-Under repairs
"	No.2	1	Milwaukee	Good
"	"	2	Iwasa	1-Ordinary 1-Under repairs
"	No.3	1	Showa Koki	Ordinary
"	No.4	1	Hirano	"
"	No.1	1	Kyoto Kosakuki	"
"	No.2	1	Osaka Kiko	
Gear cutting machine	500mm	1	Hirano	
"	20"	1	Harada	
Grinding machine	12"	1	Norton	Good
"	No.2	1	Imaizumi	
"	"	1	Tanimura	
"		1	Washino	
"		1	Toyo Seiki	
"		1	Washino	Good
Grinder	18"	4	Kubo	"
"	8"	4	Chuo Denki	Ordinary
"	4.1/2"	1	Waida	"
"	1 HP	2	Hitachi	"

Machine Tool Total: 126 sets

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

Chemical Machinery Manufacturing Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Bending roller	1"X15'-0"	1	Ueda	Good
"	1/2"X8'-0"	1	Self-made	Ordinary
"	1,500mm	1	"	"
"	450mm	2	"	"
Gas cutting machine		2	Mori	Under repairs
"		2	Nippon Rika	
Annealing furnace	3.2X7.5m	1	Shinagawa Renga	Necessity for repair of brick
Crane	50T	1	Hitachi	Good
"	20T	2	"	"
"	10T	2	"	"
"	5T	1	"	"
Sand Packing machine		1	Self-made	Ordinary
Diesel locomotive	30 HP	1	Kato Works	"
Blower	2,600 cub.ft.	1	Osaka Sofuki	
Hydraulic pump	150kg/cm2			
	50 HP	1	Nissui Shokai	Good
Water test pump	50 kg/cm2	1	Toa Kogyo	Ordinary
Bar cutting machine	3 HP	1	Toa Shokai	
Centrifugal pump	7 cub.m.	2	Sasei pump	Ordinary
Pipe bender		1	Self-made	"
Drawing bench	5T	1	"	"
Oil separater	20 l/hr	2	Toa Kogyo	"
A.C. Welder	15 KW	79	Osaka Denki & Osaka Henatsuki	30-Good 49-Ordinary
"	30 KW	1	Osaka Denki	
"	"	1	Osaka Henatsuki	
"	150 KW	3	Osaka Denki	2-Good 1-Ordinary
Shearing machine	8mmX8'-0"	1	Osaka Press	Good
"	1"	1	Esaki Iron Works	Ordinary
Folding press	300T	1	Nissui Shokai	"
"	5 HP	1	Esaki	"
"		5	Self-made	"
Electric transformer	300 KVA	1	Hitachi	Good
"	200 KVA	6	2-Hitachi	"
			4-Meidensha	"
"	50 KVA	3	Unknown	"
Air compressor	500 cub. ft.	3	Baba Kikai	Under repairs

Equipment Total: 134 sets

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

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

RAW MATERIALS & SUPPLIES:-

DESCRIPTION	QUANTITY
Steel	30,764 T
Special steel	486 T
Pig-iron	500 T
Copper	50 T
Lumber	123,500 cub.ft.
Carbide	40 T
Cement	100 T

UNFINISHED GOODS:-

Hull Dept.

DESCRIPTION	CAPACITY	QUANTITY
New Ship Construction:-		
3B-2	4,860 G/T	1 ship
Small trawler	75 G/T	4 ships
Salt tray		27 pcs.
Repairing ships:-		
Kojimamaru	486 G/T	1 ship
Koa-maru No.2	300 "	1" "
Sangetsusan-maru	870 "	1 "
Hojyo-maru	2,417 "	1 "
Suma-maru No.1	250 "	1 "
Ex-Navy ship - Hata (Coast Defence Ship)	1,050 "	1 "
Kiku-maru	750 "	1" "
Taiho-maru	10,045 "	1 "
Fukuei-maru No.15	140 "	1 "
Chodorigo	10 "	1 "
Utaka-maru No.1	312 "	1 "
Mihiko-maru	6,888 "	1 "
Enshu-maru	6,872 "	1 "
Minazuki-maru	875 "	1 "
Ex-Navy ship - No.77 (Coast defence ship)	850 "	1 "
Mizushima-maru	341 "	1 "
Motor boat	12 "	1 "
Motor boat "Kasasagi"	36 "	1 "
Doryoku-maru No.1	200 "	1" "

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Ballast pump for B type	41 sets	65%
" " D "	26 "	25%
30 K.W. Steam dynamo	86 "	27%
Main condenser for 2A type ship	11 "	10%
Aux. " " "	5 "	20%
Feed heater " "	18 "	15%
Oil cooler " "	15 "	6%

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

Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION IN %
Boiler No.2 type	7 sets	5%
5,000 HP. Diesel Engine	5 "	10%
750 HP. " "	3 "	8%
Main condenser for 3B type ship	5 "	20%
Aux. " " "	5 "	22%
Feed heater " "	5 "	20%
Oil cooler " "	5 "	25%
Boiler No.5 type	4 "	10%
Windlass for tug-boat	6 "	70%
Diesel engine No.22-10 type	5 "	40%
Evaporator 36 tons	86 "	45%
" 48 "	21 "	25%
" 72 "	12 "	40%
" 96 "	7 "	45%
Oil heater 5 cub.m.	124 "	35%
" 10 "	56 "	30%
Pump	48 "	20%
Small Diesel Engine (200HP)	10 "	3%
Medium Diesel Engine (400HP)	2 "	10%
Large flour mill	38 "	5%
High speed crusher	1,375 "	30%
Induction motor (7.5HP)	88 "	20%
Fitting-out job for small trawler or fishing boat	8 ships	5%
Farm tractor	1	50%

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Gas generator	2 sets	70, 30% resp
Gas washer	2 "	30%
Electroliser	56 "	12%
Alcohol fine distiller	28 "	60%
Evaporator	1 "	50%
Lubricating oil plant	2 "	80, 50% resp
Contract oven	3 "	90%

8. Present stocks of Finished Goods:

Hull Dept.

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION
Ballast pump B type	1 set	Good
30 K.W. Steam dynamo	2 "	Operation test unfinished
Boiler No.5 type	4 "	Good
Diesel Engine No.22 - 10 type	3 "	2-Good 1-Operation test unfinished

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

Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION
Evaporator	13 sets	Good
Oil heater	6 "	"
High speed crusher	80 "	"
Induction motor (7.5 HP)	7 "	"

Chemical Machinery Manufacutring Dept.

DESCRIPTION	QUANTITY	CONDITION
Gas washer	1	Good
Electroliser	14	"
Alcohol fine distiller	2	"
Rotary kiln	1	Ordinary

9. Present stocks of fuel:

DESCRIPTION	QUANTITY
Coal	205 T
Cokes	295 T
Heavy oil	65 T
Light oil	0.3 T

10. Additional machinery and equipment need for maximum production 1946-1947:

Hull Dept. Nil

Engineering Dept. Nil

Chemical Machinery Manufacturing Dept. Nil

11. Raw material & supplies needed (monthly)

a. FOR PRESENT CAPACITY (5b2 above)

Hull Dept.

DESCRIPTION	QUANTITY
Steel	500 T
Lumber	15,000 cub.ft.
Manila rope	5,000 kg.
Wire rope	1,800 "
Cork board	13,000 "
Cork dust	4,500 "
Cotton canvas	1,000 "
Paint	10,000 "
Copper	3,000 "
Zinc	2,000 "
Tin	150 "
Glass	500 "
Rubber	100 "

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

Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Navy oil	20,000 kg.
Lubricating	2,000 "
Cement	20,000 "
Oxygen	7,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car(32"X6")	10 pcs.
Tube for car	10 "

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	20,000 kg.
Special steel	2,200 "
Pig-iron	62,000 "
Cast-iron scrap	62,000 "
Forged steel	28,000 "
Copper	2,100 "
Steel scrap	25,000 "
Lumber	400 cub.ft.
Carbide	6,500 kg.
Zinc	250 "
Tin	250 "
Ball Bearing	280 sets
White metal	2,100 kg.
Caustic Soda	650 "

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	69,000 kg.
Special steel	120 "
Cast iron	17,600 "
Cast steel	6,800 "
Forged steel	6,000 "
Copper	200 "
Lumber	8,000 cub.ft.
Oxygen	2,400 cub. m.
Carbide	4,500 kg.
Welding rod	2,000 "
Bolts and nuts	1,800 "
Valves and pieces	50 pieces

b. FOR MAXIMUM CAPACITY

Hull Dept.

DESCRIPTION	QUANTITY
Steel	750 T
Lumber	30,000 cub.ft.
Manila rope	7,000 kg.
Wire rope	2,200 "
Cork board	16,000 "
Cork dust	5,000 "

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

Hull Dept.(Cont'd)

DESCRIPTION	QUANTITY
Cotton Canvas	1,200 kg.
Paint	12,000 "
Copper	3,400 "
Zinc	2,400 "
Tin	200 "
Glass	600 "
Rubber	120 "
Heavy oil	20,000 "
Lubricating oil	2,000 "
Cement	22,000 "
Oxygen	8,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car (32"X6")	10 pieces
Tube for car (32"X6")	10 pieces

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	34,000 kg.
Special steel	13,000 "
Pig-iron	120,000 "
Cast-iron scrap	120,000 "
Forged steel	60,000 "
Copper	4,900 "
Steel scrap	70,000 "
Lumber	540 cub.ft.
Carbide	9,000 kg.
Zinc	500 "
Tin	500 "
Ball Bearing	850 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	210,000 kg.
Special steel	360 "
Cast iron	55,000 "
Cast steel	21,000 "
Forged steel	18,000 "
Copper	6000 "
Wood	24,000 cub.ft.
Oxygen	7,200 cub.m.
Carbide	13,500 kg.
Welding rod	6,000 "
Bolts & nuts	5,400 "
Valves and pieces	150 pieces

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

Hull Dept.

DESCRIPTION	QUANTITY
Coal	750 T
Cokes	60 T

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

Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Charcoal	25T
Heavy oil	12T

Engineering Dept.

DESCRIPTION	QUANTITY
Coal	450 Tons
Cokes	150 "
Heavy oil	10 "

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Coal	75,000 Kg.
Cokes	22,000 "
Heavy oil	4,500 "

13. Additional personnel needed: (Not locally available)

Hull Dept.

Nil

Engineering Dept.

Special skills	Number
Pattern making	20
Forging	50
Casting	100

Chemical Machinery Manufacturing Dept.

SPECIAL SKILLS	NUMBER
Boiler making	50

14. Prices: (Give current selling prices in Yen of Principal products.)

Hull Dept.

DESCRIPTION	UNITS	PRICE
Repairing ship	Gross tonnage	¥ 100
Fishing boat	"	10,000
Repairing railway car	1 set	80,000
Steel structure	Steel ton	5,000
Lumber	Cub. ft.	6,000
Salt tray	1 piece	10,000
Steel bar	Ton	2,600
Rivet, bolt & nuts	Ton	5,000
Nail	Ton	15,000

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Mitsui Sh[illegible]uilding Co.mLtd.

Engineering Dept.

DESCRIPTION	UNIT	PRICE IN YEN
New construction of fishing boat	Per G/T	5,000
Repair job of ship	"	50
Large flour mill	1 set	80,000
High speed crusher	"	7,500
Wood working machine	"	30,000
Cutter knife for wood working	"	800
Small Diesel Engine (200 HP)	"	300,000
Medium Diesel Engine (400 HP)	"	500,000
Hot bulb engine (200 HP)	"	200,000
Induction motor (7.5 HP)	"	4,000
Oxygen	Per 1,000 cub. m.	4,800

Chemical Machinery Manufacturing Dept.

DESCRIPTION	UNIT	PRICE IN YEN
Gas generator	1	3,000,000
Desuphuriser	1	4,800,000
Gas washer	1	150,000
Electroliser	1	12,000
Vacuum evaporator	1	1,800,000
Baking oven	1	240,000
Mixer	1	10,000
Boiling oven	1	75,000
Alcohol fine distiller	1	30,000

15. Remarks (Supplementary Statement)
Plan for Salvage and or Scrapping Operations

1. Plan for the Vessel
   a. Name Ikoma
   b. Type A.C.
   c. Tonnage 17,500
   d. Present Condition Stranded
   e. Location Shodoshima
2. Schedule for Operation
   a. Date of Start June 1946
   b. Date of Completion September 1946
   c. Outline of Operation
      The ship will be towed from the present location to the Tamano port between 2nd and 4th of June.
      Then the part above the lower deck will be cut during June, July and August and the part below the said deck in September. In each case the weight of the blocks will be from 3 to 50 tons.
      Thus by the end of September the Ikoma shall have no appearance as a ship. In and after October the blocks will be cut into smaller scraps.
3. Remarks
   a. Shortage of coal, coke, carbide and etc. especially the supply of carbide controlled by Government is too little for our demand.
   b. The detailed plan for operation will be submitted later on.

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Mitsui Shipbuilding Co.,Ltd.

16. Certification by applicant:

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

MITSUI SHIP BUILDING & ENGINEERING CO.& LTD.,TAMANO WORKS

Signed K. Kitamura

Title: Manager.

17. Action by Occupation Forces:

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

a. Ordered to remain closed Yes ___ No ___

b. Ordered to cease operations immediately .

Yes ___ No ___

c. Authorized to product at the following rate.

Item to be manufactured	Monthly quantity

Signature of Authorizing Officer

Designation of Authorizing Unit

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IMPERIAL JAPANESE GOVERNMENT

TO : THE 36TH MILITARY GOVERNMENT CO. U.S. ARMY

FROM : Financial Ministry of the Japanese Government.

THROUGH : Central Liaison Office, Tokyo.

SUBJECT : Recommendation on scrapping of Former Naval Vessels. (Larger than Destroyers)

NO. 601.1

Date: June 1st 1946.

1. References:

SCAP Memorandum AG 045.93 (30 Apr 46) GD (SCAPIN-910) concerning "Destruction of Former Japanese Naval Vessels".

2. The Japanese Government hereby submits, as per enclosure, to the Headquarters of the 36th Military Government Co. U.S. Army, an application for scrapping operations of the Ikoma by the Mitsui Shipbuilding and Engineering Co., Ltd. in accordance with the Item C Section 3 of the memorandum mentioned above.

3. The Japanese Government recommends the Mitsui Shipbuilding and Engineering Co., Ltd. as qualified to execute the scrapping operations.
Recognition has been given of the applicant's ability to complete the operations within the directed date and expansion of present industrial activities.
The operating schedule has been fixed as part of the general plan for undertaking Directive AG 045.93 (30 Apr 46) GD (SCAPIN-910) fully approved ComNavJap.

FOR THE MINISTER OF FINANCE:

H. Kato

(H. Kato)
Chief of State Property Bureau,
Ministry of Finance.

Enclosure: Application by the Mitsui Shipbuilding & Engineering Co., Ltd.

Encl #3

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

Mitsui Shipbuilding Co., Ltd.

Serial No. of Report

APPLICATION FOR CONVERSION AND REPORT ON INDUSTRIAL FACILITIES

To: 36th Military Government Company, Okayama City.

From: Mitsui Ship-Building & Engineering Co.,Ltd. Tamano Works. Tama 10, Tamano-shi, Okayama Prefecture.

Date: May 31, 1946.

1. Name of Facility: Mitsui Ship-Building & Engineering Co.,Ltd., Tamano Works.
2. Location: Tama 10, Tamano-shi, Okayama Prefecture.
3. Name of Manager: Kahachi Kitamura
4. History:
   a. Date of construction:-
   b. Date of first operation:- Constructed & Operated in Nov., 1917 as a factory of Freight Dept. of Mitsui Bussan Co.,Ltd.

   Separated in July, 1937 as Tama Ship-Building & Engineering Co., Ltd. In Jan., 1942 changed to present name.

c. 1935-1941 Production:-

Item \ Year (fiscal year, from Oct. to Sept.) Unit		1935	1936	1937	1938	1939	1940	1941
New Construction Merchant ship	Ships	7	8	11	14	5	7	7
	¥1,000	8,910	11,588	18,216	20,422	9,048	15,445	12,884
Repair Merchant ship	Ships	173	162	173	221	204	195	179
	¥1,000	2,749	2,607	2,859	4,536	5,752	6,860	8,189
Conversion Merchant ship	Ships	-	-	-	2	-	-	3
	¥1,000				150			310
New construction Naval	Ship	-	1	1	-	3	1	4
	¥1,000		874	1,542		2,138	1,343	9,738
Repair, Naval	Ships	-	1	2	-	2	1	20
	¥1,000		10	730		26	414	1,025
Ship components & chemical industrial machineries	(Sets)	373	351	323	371	469	391	844
	¥1,000	1,033	1,207	836	1,149	1,475	2,698	4,534

d. Present capitalization:- ¥60,000,000.00 (¥45,000,000.00 paid up)

e. Changes made in capital structure since 1935:-

First capital, ¥ 10,000,000.00

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Increased in March 1942 to ¥30,000,000.00
(i.e. ¥ 20,000,000.00 increased)
Increased in March 1944 to ¥ 60,000,000.00
(i.e. ¥ 30,000,000.00 increased, but onehalf unpaid)

f. Name and address of parent company:-
Mitsui Honsha Ltd.,
1-1, Muromachi Nichome, Nihonbashi-ku, Tokyo.

g. Number of shares outstanding:-. 1,200,000 shares

h. Number of stockholders (names of those owning 10% or more of total):-
Number of stockholders, 36
Names of those owning 10% or more of total, Mitsui Honsha Ltd., Tokyo. (represented by Takakimi Mitsui)

The Mitsuis, Tokyo. (jointly owned by Takakimi Mitsui and ten other persons)

i. Funds received from Government:- Nil

j. Outline sketch of plant layout with approximate dimension:- Attached herewith.

5. Description:

a. Principal products:-

(1) WARTIME

Hull Dept.

New construction	A & B type ship
Fitting-out	Wooden boat (150 G/T)
Repair	Merchant boat

Engineering Dept.

Marine internal combustion engine(No.22-10 type, 2,250 BHP)
Evaporator & distiller for navy use
Oil heater for navy use
Ballast pump for B type ship
Steam Dynamo (30 K.W.) for marine use
Condensers for 2A type ship
Feed water heater for 2A type ship
Oil cooler for 2A type ship
Propeller for 2A type ship
Feed water pump for E type ship
500 H.P. Diesel Engine for E type ship
Marine boiler, Type No.2
Fitting-out of engine parts for 2A type ship
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator	(for synthetic oil)
Methane cracking plant	(")
Contact oven	(")

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Chemical Machinery Manufacturing Dept. (Cont'd)

Lubricating oil plant
Steam accumulator
Ammonia collector
Gas washer
Automatic controller
Rotary kiln

Naval Boat Fitting-out Dept.

New construction:	Coast defence ship Submarine (middle & small type)
Repair:	Coast defence ship Submarine (middle & small type)

(2) AT PRESENT

Hull Dept.

Repair job of merchant boat and Ex-navy vessel for demobilization
Small trawler (75 G/T)
Tunny boat (95 G/T)
Salt tray
Steel bar (redrawn from the scraps)
Welding rod
Rivet, nail, bolt & nuts
Lumber
Etc.

Engineering Dept.

Ballast pump for B & D type ship
Condensers for 3B type ship
Feed heater for 3B type ship
Oil cooler for 3B type ship
Propeller for 3B, 3D type ship & tug boat
Windlass for Tug boat
Boiler, No.5 type
High speed impulse crusher
Induction motor (75 HP.)
Large flour mill
Castings and Forgings
Fitting-out of engine parts for fishing boat (75 G/T)
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)
Electroliser	"
Gas washer	"
Boiling oven	(for drink alcohol)
Alcohol fine distiller	"

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Naval boat Fitting-out Dept.

Closed.

(3) PLANNED FOR 1946-47

Hull Dept.

Repair job of merchant boat & Ex-navy vessel for demobilization
Small trawler (75 G/T)
Tunny boat (95 G/T)
Repair job of railway car
Steel structures
Salt tray
Steel bar (redrawn from the scraps)
Welding rod
Rivet, nail, bolt & nuts
Lumber
Furnitures

Engineering Dept.

Small Diesel Engine (200 HP.) for fishing boat
Hot-bulb engine (200 HP.) for fishing boat
Diesel Engine (400 HP.) for fishing boat
High speed impulse crusher
Large flour mill
Wood working machine
Form tractor
Cutter knife for wood working
Induction motor (7.5 HP.)
Fitting-out job for small trawler & fishing boat
Castings and Forgings
Repair job of ship
Repair job of steam locomotive
Oxygen

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)
Desulphuriser	"
Gas washer	"
Electroliser	"
Vacuum evaporator	(for salt making)
Evaporator	"
Baking oven	(for bread making)
Mixer	"
Rayon machinery	
Cement machinery	

b. Capacity:

(1) WAR TIME (During 1944)

Hull Dept.

New construction:-

2A type ship	30 ships per year
Submarine	1 " "
Coast defence boat	6 " "

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Hull Dept. (Cont'd)

Repair:-

Merchant boat	580,451 G/T per year
Naval boat	7,767 displacement tons per year

Engineering Dept.

Main engine (2,250 BHP.) No.22-10 type	12 sets per year
Evaporator & Distiller (36 tons)	240 " "
Steam dynamo (30 K.W.)	60 " "
Fitting-out of engine parts for 2A type ship	30 ships "
Ballast pump, B type	120 sets "
Repair job of merchant boat	580,451 G/T "
Repair job of naval boat	7,767 displacement tons per year
Oxygen	780,000 cub. m. per year

Chemical Machinery Manufacturing Dept.

Gas generator	1 set per year
Methane cracking plant	1 " "
Contact oven	60 " "
Lubricating oil plant	1 " "

Naval boat Fitting-out Dept.

Coast defence boat	6 ships per year
Submarine	1.2 " "

(2) AT PRESENT

Hull Dept.

Repair job of merchant boat & Ex-Navy vessel for demobilization	50,000 G/T per month
Small trawler (75 G/T) & Tunny boat (95 G/T)	4 ships "
Salt tray	20 pieces "
Steel bar (redrawn from the scraps)	960 tons per year
Welding rod	180 " "
Rivet, bolt & nuts	80 " per month
Nail	8 " "
Lumber	180,000 cub.ft. per year

Engineering Dept.

Small Diesel Engine (200 HP.)	18 sets per year
Large flour mill	40 " "
High speed crusher	1,500 " "
Wood working machine	380 " "
Farm tractor	20 " "
Induction motor (7.5 HP.)	360 " "
Fitting-out job for fishing boat	48 ships "
Castings and forgings	2,400 tons "
Repair job of ships	600,000 G/T "
Oxygen	240,000 cub.m. "

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Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fortilizer)	2	sets per year
Electroliser	"	180	" "
Gas washer	"	6	" "
Boiling oven	(for drink alcohol)	6	" "
Alcohol fine distiller	"	36	" "

Naval boat Fitting-out Dept.

Closed.

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

Hull Dept.

Repair job of merchant boat & Ex-Navy vessel for demobilization	720,000	G/T per year
Small trawler (75 G/T)	48	ships "
Tunny boat (95 G/T)	12	" "
Repair job of railway car	60	sets "
Steel structures	180	tons "
Salt tray	240	pieces "
Steel bar (redrawn from the scraps)	1,920	tons "
Welding rod	180	" "
Rivet, bolt & nuts	1,200	" "
Nail	240	" "
Lumber	420,000	cub.ft."
Furnitures	2,400,000	Yen "

Engineering Dept.

Small Diesel Engine (200 HP.)	24	sets per year
Medium Diesel Engine (400 HP.)	6	" "
Hot-bulb engine (200 HP.)	24	" "
Large flour mill	60	" "
High speed crusher	2,400	" "
Wood working machine	600	" "
Cutter knife for wood working	2,400	" "
Induction motor (7.5 HP.)	600	" "
Fitting-out job of small trawler or fishing boat	48	ships "
Castings & Forgings	5,400	tons "
Repair job of ship	720,000	G/T "
Repair job of steam locomotives	6	sets "
Oxygen	600,000	cub.m. "

Chemical Machinery Manufacturing Dept.

Gas generator	(for artificial fertilizer)	5	sets per year
Desulphuriser	"	2	" "
Gas washer	"	6	" "
Electroliser	"	480	" "
Vacuum evaporator	(for salt making)	6	" "
Evaporator	"	12	" "
Baking oven	(for bread baking)	600	" "
Mixer	"	300	" "

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C. Number of Employees:

(1) WAR TIME (June, 1945)

Hull Dept.	5,300
Engineering Dept.	3,550
Chemical Machinery Manufacturing Dept.	510
Naval boat Fitting-out Dept.	1,060
Total:	10,420

(2) AT PRESENT (Feb., 1946)

Hull Dept.	1,250
Engineering Dept.	1,770
Chemical Machinery Manufacturing Dept.	350
Total:	3,370

(3) 1946-47 (at maximum capacity)

Hull Dept.	2,000
Engineering Dept.	2,500
Chemical Machinery Manufacturing Dept.	860
Total:	5,360

6. Machinery & Equipment in Plant:

Hull Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Double shearing machine	1,300 mm X 510 mm	1	Lion, U.S.A.	Good
Shearing machine	38 mm X 1,800 mm	1	England	"
Punch & shearing m/c	1,065 (gap)	1	Toa Tekko	"
"	915mmX510mm	1	Sumidagawa	"
"	790mmX305mm	1	Jones Burton	"
Radial drilling m/c	75mmX2,440mm	2	Raboma	"
Countersink drilling machine	50mmX3,280mm	1	Self-made	"
Double scarphing m/c	457mm	1	Toa Tekko	"
Edge planer	12,200mm	1	Self-made	"
Keel bender	20mmX7,620mm	1	Hase Tekko	"
Bending roller	32mmX9,150mm	1	"	"
"	19mmX3,160mm	1	Imagawa Kikai	"
Angle cutter & beam bender	150mmX150mmX20mm	1	Osaka Kikai	"
Rotary shear	13mm	1	Quick Work Co.	"
Angle bevelling machine		1	Self-made	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Hydraulic press	350T	1	Nozato Tekko	Good
"	350T	1	Kobe Seiko	"
"	300T	1	Suga Seisaku	"
"	200T	1	Osaka Jukogyo	"
"	40T	1	Unknown	"
Straighing roller	25mmx2440mm	1	Toa Tekko	"
"	1,560mm	1	Hills & Johnes	"
Hull-building proper machines Total: 23 sets				
Lathe	8'-0"	2	Hatano Seiki	Good
"	"	1	Unknown	"
"	6'-0"	2	Osaka Kikai	"
"	"	2	Unknown	"
Planer	2,000	1	Matsumoto Chuzo	"
Slotting machine	305mm	1	Shibayama Kikai	"
"	254mm	1	Kato Tekko	"
Shaping machine	550mm	1	Unknown	"
Horizontal milling machine	No.2	1	Tsubota Tekko	"
Turret lathe	4'-6"	1	Imaizumi Seisaku	"
High speed cutting machine	460mm	1	Sankei Kosaku	"
Tool grinder	210mmx457mm	1	Unknown	"
Bench grinder	1/2 HP	5	"	"
Radial drilling machine	5'-0"	1	"	"
Bar drawing machine	19mm 150 HP	1	"	"
"	"	1	"	Under setting
"	38mm	1	"	Good
"	45mm	1	"	"
Bar cutting machine	6mm	2	Self-made	"
"	6mm	1	Todoroki	"
"	19mm	2	Unknown	"
Nail making machine	19mm	1	"	"
"	38mm	1	"	"
"	65mm	1	"	"
"	90mm	1	"	"
"	150mm	1	"	"
"		3	"	"
Nut making machine	19mm	1	"	"
"	22mm	1	"	"
Screw cutting machine	32mmx1,220mm	6	Tanaka Tekko	"
"	32mmx1,525mm	4	Unknown	"
"	8	5	"	"
Wood screw making machine		10	"	"
Tapping machine	22	1	"	"
Up setter	10	2	"	"
" (Friction press)	13	1	"	"
" (")	38	1	"	"
" (Double header)	22	3	"	"
Air hammer	1/4T	1	Osaka Kyokan	"
Electric furnace	15K.V.A.	1	Unknown	"
High frequency electric furnace	20K.V.A.	1	Seidensha	"
Machine tools Total: 76 sets				

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Circular sawing machine	12"	1	Uroko Seisaku	Good
"		1	"	"
Band sawing machine	72"	1	Akimokukikai	"
"	48"	1	Yamada-Fusa	"
"	44"	1	Hosoda Shoji	"
"	42"	4	Masaki	"
"	42"	2	Akimokukikai	"
"	36"	2	"	"
"	30"	1	Hamanaka	"
Surfacer	30"	1	Uroko Seisaku	"
"	24"	1	Kikukawa	"
2 sides planing machine	20"	1	"	"
"	24"	1	Uroko Seisaku	"
3 sides planing machine	18"	1	Osada	"
4 sides planing machine	18"	1	"	"
"	24"	1	Kikukawa	"
	20"	1	U.S.A.	Under repairs
"	24"	1	Ohashi Shoji	Good
Hand planing	12"	2	Nippon Mokko	"
"	10"	1	Unknown	Under repairs
"	8"	1	Uroko Seisaku	Good
Rounding machine		1	Kikukawa	"
"		2	Unknown	"
Hollow chiesel mortiser		1	Uroko Seisaku	"
"		1	Nippon Mokko	"
Wood lathe	8'-0"	1	Uroko Seisaku	"
"	6'-0"	2	Unknown	"
"	6'-0"	2	Komazawa Tekko	Under repairs
"	Horizontal Double spindle	1	Unknown	"
Moulding machine		1	Kikukawa	Good
Tenoner		1	Nippon Mokko	"
Wood milling machine		1	Unknown	Under repairs
Desk sander		1	"	"
Saw sharpner		1	Uroko Seikaku	Good
"		7	Unknown	"
Sharpner		1	"	Under repairs
Knife grinder		1	Kikukawa	Good
Upright drilling machine		1	Nishikawa	"
"		1	Uroko Seisaku	"

Wood machine, tools Total: 54 sets

Air compressor	1,000 cub.ft.	5	Subillivan	Good
"	500 cub.ft.	1	"	"
"	"	2	Teikoku Sakuganki	"
Hydraulic pump	(2 acting, 3 cyl.) 100 kg/cm	1	Osaka Jukogyo	"
Centrifugal pump (for compressor)	Dis.100mm	1	Heishin Seisaku	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Turbine pump (for compressor)	Dia.150mm	1	Self-made	Good
Pump (for dock)	175 HP.	2	Unknown	"
"	12 "	1	"	"
"	25 "	1	"	"
"	100 "	1	"	"
"	20 "	1	"	"
"	185 "	2	"	"
"	15 "	1	"	"
Blower	Dia.240mm	2	"	"
"	" 200mm	2	"	"
"		4	"	"
Roller mixer	1,300	2	Fukai Tekko	"
"		2	Unknown	"
Crusher		1	"	"
" (boll mill)	Dia.1,300	1	"	"
"	" 760	1	"	"
" (for coke)	Dia.of dram 150mm	1	Self-made	"
Winch	15HP	1	Goto Kikai	"
"	3,000HP	1	"	"
Capstan	5 T	1	Unknown	"
Auxiliary machines Total: 39 sets				
Tower crane	5T-10T	2	Sumitomo Kikai	Good
"	3T- 6T	1	Ishikawajima	"
"	4T- 8T	1	Showa Kijuki	"
"	5T-10T	1	"	"
"	3.5T- 7T	1	"	"
Overhead crane	10T	2	Hitachi Seisaku	"
"	5T	4	"	"
"	5T	2	Showa Kijuki	"
"	5T	2	Koeisha	"
"	5T	1	Self-made	"
"	3T	1	"	"
Steam crane	5T	5	Unknown	"
"	5T	1	Self-made	"
"	3T	2	Unknown	"
Floating crane	120T	1	Self-made	"
"	60T	1	"	"
Tug boat (Uno-maru) 155 G/T 570 HP		1	Self-made	"
" (Kojima-maru) 104 G/T 530 HP		1	"	"
" (Hibi-maru) 84 G/T 400 HP		1	"	"
" (Wada-maru) 34 G/T 100 HP		1	"	"
" (Fukai-maru) 73 G/T 51 HP		1	"	"
" (Tama-maru) 9 G/T 52 HP		1	"	"
Direct Auxiliary Equpment Total: 34 sets				
Small boat (Sansha-maru) 90 G/T 50 HP		1	Ushimado Dock	Good
" (Seifuku-maru) 100 G/T 45 HP		1	Unknown	"
" (Suejiro-maru) 110 G/T 40 HP		1	"	"
" (Kiju-maru No.8) 120 G/T 32 HP		1	"	"
" (Atsuura-maru) 40 G/T 60 HP		1	"	"
" (Kisho-maru) 60 G/T 30 HP		1	"	"
" (Shoei-maru) 50 G/T 30 HP		1	"	"
" (Myoken-maru) 100 G/T 30 HP		1	"	"

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Hull Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Small boat (Chifuku-maru)	25 G/T 15 HP	1	Unknown	Good
"	15 HP	1	"	"
"	10 HP	1	"	"
Truck	4 T	5	Nissan	Good
"	4 T	3	Toyoda	"
"	4 T	1	Ford, U.S.A	"
"	0.5 T	3	Matsuda	"
"		1	Daihatsu	"
"		1	Nisshin	"
"		1	Kokurai	"

Auxiliary equipment for general use Total: 26 sets

D.C.arc welding machine	7.5 K.W.	1	Shibaura	Good
"	10 K.W.	1	"	"
"	10 K.W.	1	Hitachi	"
Spot welding machine	30 K.".	1	Holden & Hunt	"
A.C. arc welding machine	10 KS ABA	1	Osaka Denki	"
"	15 KW ABA-E	2	"	"
"	15 KW ABA-N	133	"	"
"	15 KW ABA	95	"	"
"	30 KW ABA-N	5	"	"
"	29 KVA WP-AC	6	Hitachi	"
"	11,4 KVA AW-N	10	"	"
"	12.5 KW AW-N	15	"	"
"	16.5 KW AW-N	25	"	"
"	35 KVA AW-N	16	"	"

Electric welding machine Total: 312 sets

Engineering Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	60'	1	Wakayama	Good
"	48'	1	Right	Under fitting
"	39'	1	Hulse	Good
"	20' 24'	2	Henry Broadlent	"
"	20'	2	Henry & Maeda	"
"	14'-30'	3	Ikegai	"
"	14'-18'	3	Johnlang	"
"	18'	1	Takizawa	"
"	18'	1	Johnlang	"
"	14'	1	Hirano	"
"	14'	1	Johnlang	"
"	10'	1	Ryerson	Under fitting
"	8'	2	Fuji	Good
"	8'	5	Toyo	"
"	8'	2	Wakayama	"
"	8'	1	Toa Kosaku	Under fitting
"	8'	1	Toa Shokai	"
"	8'	1	Ryerson	Good
	8'	1	Toa	"

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Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	6'	10	Osaka Kikai	Good
"	6'	13	Hirano	"
"	6'	5	Hukuhara	"
"	6'	1	Shown	"
"	6'	2	Toa	"
"	6'	3	Osaka Kikai	Under fitting
"	6'	11	Wakayama	Good
"	6'	1	Ishihara	"
"	6'	2	Asahi	"
"	4'	3	Hokuriku	"
"	4'	4	Mitsui	"
"	4'	1	Washino	"
"	3'	1	Unknown	Under fitting
Vertical lathe	50"	1	Kisha	Good
"	42"	1	Inoue	"
"	30"	1	"	"
"	12'	1	Kojima	"
"	6'	1	Gisholt	"
"	4'	1	Kisha	"
"	8'	1	Betta	"
Turret lathe	No.3	2	Warner & Swasey	"
"	"	2	Teikoku	"
"	"	2	Kokusan	"
"	No.2	2	Hirano	"
"	"	1	Hidachi	"
"	"	1	Hirano	"
"	No.1	1	"	"
"	75mm	1	Alfred Herbert	"
Automatic lathe	27-45 mm	2	Cleveland	Under fitting
Screw cutting machine	1.1/4"	4	Harada	Good
"	2"	1	Fuji	"
"	1.1/4"	1	Landis	Under fitting
"	2"	1	Mitsui	"
CrankCpin lathe	1,650mm	1	Self-made	Good
"	1,300mm	1	"	Under fitting
Radial drilling machine	8'-10'	4	Self-made	Good
"	8'	1	Haboma	"
"	7'	1	Asquith	"
"	5'-7'	4	Asquith 1.	"
			Ikegai 1.	"
			Wakayama 2.	"
"	6'	1	Yodogawa	"
"	5'	1	Okazaki	"
"	5'	1	Cincinati	"
"	5'	1	Unknown	"
"	4'	2	Yodogawa	Under repairs
"	3'7"	1	Osaka	Good
"	1.1/4'	1	Wakayama	"
"	1.1/4'	1	Unknown	"
"	1,725 mm	1	Wakayama	"
"	1,725 mm	1	Ikegai	"
"	1,750 mm	3	Wakayama	"

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Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Vertical drilling machine	642mm	1	Yoshida	Good
" "	642mm	1	Yoshida	"
"	460mm	1	Boshoku	"
"	460mm	2	Yodogawa	"
"	320mm	1	Self-made	"
"	1.1/4'	1	Wakayama	"
"	9/16'	1	Hidachi	"
"	480mm	1	Yoshida	Under fitting
"	380mm	1	Smith & Coventry	"
"	1.5/8'	1	Unknown	Good
"	1'	1	Yoshida	"
Horizontal boring machine	1,220mm	1	Wakayama	"
"	1,220mm	2	Hirano	1-Good 1-Under fitting
"	760mm	1	Osumi	Good
"	130mm	1	Shibaura	"
"	130mm	1	Self-made	"
"	580mm	1	"	"
"	90mm	1	Wakayama	"
"	914mm	3	Karatsu	"
"	No.2	1	Ranno	"
"	No.2	1	Tsutsumi	"
"	1,299mm	2	Self-made	Under fitting
"	254mm	1	Hulse	"
Cylindorical Boring machine	500mm	1	Self-made	"
Propeller boring machine	800mm	1	"	"
Jig boring machine	150mm	1	Mitsui Seiki	Good
Horizontal milling machine	No.4	1	Cincinati	"
"	No.2	1	Milwaukee	"
"	No.0	1	Hirano	"
"	No.2	1	Nomoto	"
Vertical milling machine	No.3-4	3	Cincinati	"
"	No.2	4	Milwaukee	"
"	No.4	1	Hirano	"
"	No.3	1	Mita	"
"	No.1.5	1	Toa	"
"	No.2	1	Reken	"
"	No.2	1	Osaka	"
"	No.5	1	Showa	Under fitting
Milling machine	No.2	1	Hidachi	Good
"	No.3	1	Showa	"
"	No.4	1	Hirano	"
"	No.5	2	Showa	"
Universal milling machine	2,440mm	1	Muir	"
"	1,016mm	1	Karatsu	"
"	No.2	1	Cincinati	Under fitting
Cam milling machine	660mm	1	Self-made	Under repairs
Portable drilling machine		1	Kisha	Good
Universal grinder	400mm	1	Cincinnati	"
"	305mm	1	Hayashi	"
"	228mm	1	Kellenberger	"

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Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION		CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Horizontal cylindorical grinder		1,030mm	1	Naxos Union	Good
"		360mm	1	Norton	"
Internal grinder		200mm	1	Kellerberger	"
"		1,000mm	1	Self-made	"
Surface grinder		737mm	1	Billeter	"
"		910mm	1	Ikegai	Under fitting
Cam grinder		460mm	1	Reinecker	Good
Tool grinder			1	Cincinati	"
"			1	Foreign maker	"
Centerless grinder		60mm	1	Nippon Memma	"
Gear grinding machine			1	"	"
Gear lapping machine		500mm	1	Okamoto	"
Gear cutting machine		2,200mm	1	Lorenz	"
"		1,060mm	1	Sonoike	"
"		850mm	1	Nitta	"
"		360mm	1	Kashikuji	"
"		18'	1	Gleason	"
"		915mm	1	Fellow	Under fitting
Planer		24'	1	Shibaura	Good
"		12'-14'	2	Matsumoto	1-Good 1-Under repairs
"		8'	1	Matsumoto	Good
		18'	1	Ton	Under fitting
Slotter		740mm	1	Nippon Jukogyo	Good
"		533mm	1	Hulse	"
"		330mm	1	Hidachi	"
"		310mm	1	Osaka Kikai	"
"		230mm	1	Fujita	"
"		228mm	2	Ranno	"
		220mm	2	Masuda	Under repairs
"		10mm	1	Shibayama	Good
"		610mm	1	Canada	Under fitting
Shaper		1,800mm	1	Shibaura	Good
"		24'	3	Chiba	"
"		22'	2	Takeuchi	"
"		350mm	1	Toa	"
"		250mm	1	Takeuchi	"
"		15'	1	Asano	
		480mm	1	Self-made	Under fitting
"		500mm	1	Sanuki	Good
Sawing machine	Hack	2.1/2'	1	Sakai	"
"	"	20'	1	Tairiku	"
"	Band	36'	2	Ohashi	"
"	Circular	18'	1	Unknown	"
"	Hack	14'	1	Washino	"
"	Band		1	Unknown	"
"	Hack	150mm	1	Hirano	Under fitting
"	Circular	520mm	1	Earle	"
"	Band	455mm	1	Ohashi	"
Machine tool	Total: 258 sets				

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Mitsui Shipbuilding Co., Ltd.

Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Feed planer	24"	1	Unknown	Good
"	14"	1	"	"
Wood lathe	5'	2	Nippon Mokko	"
"	6'	4	Self-made	"
"	8'	1	"	"
"	12'	1	"	"
Special lathe	40"	1	Kikukawa	"
Milling machine	31"X34"	1	Self-made	"
		1	Kikukawa	"
Wood working machines Total: 13 sets				
Air hammer	1/2 tons	1	Osaka Kikai	Under repairs
"	1/2 tons	1	Murayama Kikai	Good
Steem hammer	1/4"	1	Unknown	"
"	1/2"	2	Koa Shokai	"
"	3/4"	2	Unknown	"
"	1"	1	Kokura	"
"	1.1/2"	1	Massilen Fdy	"
"	3"	1	Teikoku	"
Hydraulic press	50T	1	Unknown	"
"	80T	1	Osaka Hase	"
"	150T	1	Unknown	"
"	1,000T	1	Shibaura Kyodo	Under Repairs
Friction press	1,000mm	1	Unknown	"
Notching press		1	Ezaki	Good
Hydraulic riveter	100T	1	Cormin Work	"
Winding machine		2	Shibaura	"
Binding machine		1	Self-made	"
Foot shear		1	Ezaki	"
Square shear	1/8"	1	"	"
Edge planer	25'	1	Unknown	"
"	30'	1	Ueda	"
"	1mm	1	Self-made	"
Bending roller	8'-14"	2	Unknown	"
Punching machine	2'-6"	1	Okamoto	"
"	30mm	1	Unknown	"
Gas cutter	Universal	5	Self-made	
Press, hammer & shear Total: 34 sets				
Oxygen compressor	10 HP	1	Ishikawajima	Good
"	15 HP	1	Nihon Rikagaku	"
"	30 HP	1	Ishikawajima	"
Air compressor	90 cub.M/H	1	"	
"	180 cub.M/H	1	"	"
Accessories above		21		
02 compressor & its accessories Total : 27 sets				
Overhead crane	3T-35T	9	Ishikawajima & others	Good
"	30T & 50T	2	Hidachi & others	"
"	10T & 50T	3	Hidachi	"
"	10T & 35T	4	Ishikawajima	"

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Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Overhead crane	5T-25T	4	Ishikawajima & others	Good
"	5T-80T	8	"	"
"	2T&10T	2	Showa Kiaki	"
Overhead crane Total :		32 sets		
Elect. dryer	50A 250°C	1	Shimazu	Good
Vacuum dryer		1	"	"
Elect. furnace	5T	1	Ushio	Under repairs
"	2T	1	Volts Co.	Good
"	0.2T	1	Toka	"
" High Erequency	3.5 KW	1	Shimazu	"
"	30 KW	1	"	"
Cupola	1T-7T	5	Self-made	"
Drying furnace	Ordinary	4	"	"
Annealing furnace	"	3	"	"
"	"	2	"	"
Heating furnace	"	13	"	"
Furnace, Cupola & Dryers Total:		34 sets		
Boiler	8'X30'	1	Noma Tekkosho	Good
"	"	1	Self-made	"
High press boiler	42 kg/cm2 10T/H	1	"	"
Super heating boiler	" "	1	"	"
Water tube boiler	17kg/cm2 1T/H	1	Mitsubishi, Nagasaki	"
Cockran boiler	8 kg/cm2 1T/H	1	Unknown	"
Boiler Total :		6 sets		
Mixer	Mill type	8	Sanko & others	Good
Air blower	150 cub.m.	3	Hidachi & others	"
"	1,300cc.	1	Ota	"
Sand blast		2	Tairiku	"
Moulding machine	380X290mm	5	Kubota	"
Foundry's miscellaneous equipment Total:		19 sets		
Electric moter	10-30HP.	8	Shibaura	Good
"	30-50HP.	3	Shibaura & others	"
"	10HP.	1	"	"
"	0.5-10HP	3	Mitsubushi & others	"
"	0.5-150HP.	15	Shibaura & others	"
"	0.5-50HP.	11	"	"
Motor generator	3.5 kw.	1 set	Self-made	"
"	5	1	"	"
"	600	1	Shibaura	"
Transformer	100-2,000 KVA	48	Hidachi & others	"
"	2-75 KVA	89	"	"

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Engineering Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
A.C. Arc welding machine	20 KVA	2	Hidachi	Good
"	30	2	Shibaura	"
A.C. Cycl. Arc welding machine	NG-Y-5551	1	Osaka Henatsuki	"
"	200-180/30	1	"	"
"	NO-Y-7434	1	"	"
A.C. welding machine	11-36 KVA.	108	Hidachi & others	"
Automatic hydrogen welding machine	14 KW.	1	Shibaura	"
D.C. elect. welding machine	7.5 KW.	1	"	"
"	30 KW.	1	"	"
Spot welder	3.2mmX2	1	Osaka Denki	

Electric machines Total: 300 sets

Air compressor	100 HP.	1	Unknown	Good
Water braker	150 HP.	1	Self-made	"
"	3,000 HP.	3	"	"
Universal testing machine	50T	1	Olsen	"
"	100T	1	Akashi Seisaku	"
"	50T	1	Shimazu	"
Other small tester		36		"

Testing equipment Total: 44 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Lathe	4'-0"	2	Riken Kogyo	Ordinary
"	"	2	Shimamoto	"
"	6'-0"	6	Wakayama	5-Good 1-Under repairs
"	"	4	Hirano	Good
"	"	2	Numba	"
"	"	1	Nakashima	
"	7'-0"	1	Mitsubushi	
"	8'-0"	2	Wakayama	Good
"	"	2	Hirano	"
"	"	2	Masuda	"
"	"	1	Yamato	Ordinary
"	12'-0"	2	Osaka Kikai	Good
"	18'-0"	1	"	"
"	6'-0"	1	Hirano	Ordinary
"	8'-0"	14	Ryerson U.S.A.	"
"	10'-0"	2	"	"
"	12'-0"	1	"	"
Relieving lathe	8'-0"	1	Hatano Seiki	"
"	10'-0"	1	Hendy	"
Turret lathe	8'-0"	2	Warner & Swasey	Good
Vertical lathe	12'-0"	1	Ishii Iron Works	"
"	60"	1	Hibi Iron Works	"
"	42"	1	Inoue Kogyo	Ordinary
Thread cutting lathe	3'-0"	3	Harada	2-Ordinary 1-Under repairs.

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Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept.

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Horizontal boring machine	No.3	1	Iwanaka	Ordinary
"	No.1	1	Toa Iron Works	
"	No.4	2	Hirano	1-Good 1-Under repairs
"	No.5	1	Wakayama	Under repairs
Drilling machine	2.0m	4	Raboma	Good
"	6'-0"	2	Yodogawa	"
"	4'-0"	2	"	1-Ordinary 1-Under repairs
"	"	1	Shindo	Ordinary
"	"	1	"	"
"	"	1	Toa	Good
"	"	1	Excello	Ordinary
"	32mm	3	Toa	"
"	2 HP	1	Maeda	
"	"	1	Yoshida	
"	"	1	Barness	
Planer	12'-0"	1	Shikishima	Good
"	8'-0"	1	Unknown	
Edge Planer	23'-0"	1	Kubota	Under fitting
"	30'-0"	1	"	Good
Shaper	20"	2	Toa	"
"	12"	1	Settsu	"
Slotter	11.3/4"	1	Iwamoto	"
"	6"	1	Masuda	
Pipe cutter	upto 150mm	1	Shiese	
Pipe threader	upto 3"	1	Toa	
Hack sawing machine	16"	2	Washino	Good
Milling machine	No.2	1	Milwaukee	
"	No.0	1	Cincinnatee	
"	No.2	2	Tateyama	Ordinary
"	"	1	Teikoku Seimitsu	"
"	No.0	1	Shinko	
"	No.1	2	Enshu kikai	1-Ordinary 1-Under repairs
"	No.2	1	Milwaukee	Good
"	"	2	Iwasa	1-Ordinary 1-Under repairs
"	No.3	1	Showa Koki	Ordinary
"	No.4	1	Hirano	"
"	No.1	1	Kyoto Kosakuki	"
"	No.2	1	Osaka Kiko	
Gear cutting machine	500mm	1	Hirano	
"	20"	1	Harada	
Grinding machine	12"	1	Norton	Good
"	No.2	1	Imaizumi	
"	"	1	Tanimura	
"		1	Washino	
"		1	Toyo Seiki	
"		1	Washino	Good
Grinder	18"	4	Kubo	"
"	8"	4	Chuo Denki	Ordinary
"	4.1/2"	1	Waida	"
"	1 HP	2	Hitachi	"

Machine Tool Total: 126 sets

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Mitsui Shipbuilding Co., Ltd.

Chemical Machinery Manufacturing Dept. (Cont'd)

DESCRIPTION	CAPACITY	QUANTITY	MAKER'S NAME	CONDITION
Bending roller	1"X15'-0"	1	Ueda	Good
"	1/2"X8'-0"	1	Self-made	Ordinary
"	1,500mm	1	"	"
"	450mm	2	"	"
Gas cutting machine		2	Mori	Under repairs
"		2	Nippon Rika	
Annealing furnace	3.2X7.5m	1	Shinagawa Renga	Necessity for repair of brick
Grane	50T	1	Hitachi	Good
"	20T	2	"	"
"	10T	2	"	"
"	5T	1	"	"
Sand Packing machine		1	Self-made	Ordinary
Diesel locomotive	30 HP	1	Kato Works	"
Blower	2,600 cub.ft.	1	Osaka Sofuki	
Hydraulic pump	150kg/cm2			
	50 HP	1	Nissui Shokai	Good
Water test pump	50 kg/cm2	1	Toa Kogyo	Ordinary
Bar cutting machine	3 HP	1	Toa Shokai	
Gentrifugal pump	7 cub.m.	2	Sasei pump	Ordinary
Pipe bender		1	Self-made	"
Drawing bench	5T	1	"	"
Oil separater	20 l/hr	2	Toa Kogyo	"
A.C. Welder	15 KW	79	Osaka Denki & Osaka Henatsuki	30-Good 49-Ordinary
"	30 KW	1	Osaka Denki	
"	"	1	Osaka Henatsuki	
"	150 KW	3	Osaka Denki	2-Good 1-Ordinary
Shearing machine	8mmX8'-0"	1	Osaka Press	Good
"	1"	1	Esaki Iron Works	Ordinary
Folding press	300T	1	Nissui Shokai	"
"	5 HP	1	Esaki	"
"		5	Self-made	"
Electric transformer	300 KVA	1	Hitachi	Good
"	200 KVA	6	2-Hitachi 4-Meidensha	" "
"	50 KVA	3	Unknown	"
Air compressor	500 cub. ft.	3	Baba Kikai	Under repairs

Equipment Total: 134 sets

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

RAW MATERIALS & SUPPLIES:-

DESCRIPTION	QUANTITY
Steel	20,764 T
Special steel	486 T
Pig-iron	500 T
Copper	50 T
Lumber	123,500 cub.ft.
Carbide	40 T
Cement	100 T

UNFINISHED GOODS:-

Hull Dept.

DESCRIPTION	CAPACITY	QUANTITY
New Ship Construction:-		
3B-2	4,860 G/T	1 ship
Small trawler	75 G/T	4 ships
Salt tray		27 pcs.
Repairing ships:-		
Kojimamaru	486 G/T	1 ship
Koa-maru No.2	300 "	1" "
Sangetsusan-maru	870 "	1 "
Hojyo-maru	2,417 "	1 "
Suma-maru No.1	250 "	1 "
Ex-Navy ship - Hata (Coast Defence Ship)	1,050 "	1 "
Kiku-maru	750 "	1" "
Taiho-maru	10,045 "	1 "
Fukuei-maru No.15	140 "	1 "
Chodorigo	10 "	1 "
Utaka-maru No.1	312 "	1 "
Mihiko-maru	6,888 "	1 "
Enshu-maru	6,872 "	1 "
Minazuki-maru	875 "	1 "
Ex-Navy ship - No.77 (Coast defence ship)	850 "	1 "
Mizushima-maru	341 "	1 "
Motor boat	12 "	1 "
Motor boat "Kasasagi"	36 "	1 "
Doryoku-maru No.1	200 "	1" "

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Ballast pump for B type	41 sets	65%
" " D "	26 "	25%
30 K.W. Steam dynamo	86 "	27%
Main condenser for 2A type ship	11 "	10%
Aux. " " "	5 "	20%
Feed heater " "	18 "	15%
Oil cooler " "	15 "	6%

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Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION IN %
Boiler No.2 type	7 sets	5%
5,000 HP. Diesel Engine	5 "	10%
750 HP. " "	3 "	8%
Main condenser for 3B type ship	5 "	20%
Aux. " " "	5 "	22%
Feed heater " "	5 "	20%
Oil cooler " "	5 "	25%
Boiler No.5 type	4 "	10%
Windlass for tug-boat	6 "	70%
Diesel engine No.22-10 type	5 "	40%
Evaporator 36 tons	26 "	45%
" 48 "	21 "	25%
" 72 "	12 "	45%
" 96 "	7 "	45%
Oil heater 5 cub.m.	124 "	35%
" 10 "	56 "	30%
Pump	48 "	20%
Small Diesel Engine (200HP)	10 "	3%
Medium Diesel Engine (400HP)	2 "	10%
Large flour mill	38 "	5%
High speed crusher	1,375 "	30%
Induction motor (7.5HP)	88 "	20%
Fitting-out job for small trawler or fishing boat	8 ships	5%
Farm tractor	1	50%

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY	CONDITION IN %
Gas generator	2 sets	70, 30% resp.
Gas washer	2 "	30%
Electroliser	56 "	12%
Alcohol fine distiller	28 "	60%
Evaporator	1 "	50%
Lubricating oil plant	2 "	80, 50% resp
Contract oven	3 "	90%

8. Present stocks of Finished Goods:

Hull Dept.

Engineering Dept.

DESCRIPTION	QUANTITY	CONDITION
Ballast pump B type	1 set	Good
30 K.W. Steam dynamo	2 "	Operation test unfinished
Boiler No.5 type	4 "	Good
Diesel Engine No.22 - 10 type	3 "	2-Good 1-Operation test unfinished

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

Engineering Dept. (Cont'd)

DESCRIPTION	QUANTITY	CONDITION
Evaporator	13 sets	Good
Oil heater	6 "	"
High speed crusher	80 "	"
Induction motor (7.5 HP)	7 "	"

Chemical Machinery Manufacutring Dept.

DESCRIPTION	QUANTITY	CONDITION
Gas washer	1	Good
Electroliser	14	"
Alcohol fine distiller	2	"
Rotary kiln	1	Ordinary

9. Present stocks of fuel:

DESCRIPTION	QUANTITY
Coal	205 T
Cokes	295 T
Heavy oil	65 T
Light oil	0.3 T

10. Additional machinery and equipment need for maximum production 1946-1947:

Hull Dept. Nil

Engineering Dept. Nil

Chemical Machinery Manufacturing Dept. Nil

11. Raw material & supplies needed (monthly)

a. FOR PRESENT CAPACITY (5b2 above)

Hull Dept.

DESCRIPTION	QUANTITY
Steel	500 T
Lumber	15,000 cub.ft.
Manila rope	5,000 kg.
Wire rope	1,800 "
Cork board	13,000 "
Cork dust	4,500 "
Cotton canvas	1,000 "
Paint	10,000 "
Copper	3,000 "
Zinc	2,000 "
Tin	150 "
Glass	500 "
Rubber	100 "

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

Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Navy oil	20,000 kg.
Lubricating	2,000 "
Cement	20,000 "
Oxygen	7,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car(32"X6")	10 pcs.
Tubc for car	10 "

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	20,000 kg.
Special steel	2,200 "
Pig-iron	62,000 "
Cast-iron scrap	62,000 "
Forged steel	28,000 "
Copper	2,100 "
Steel scrap	25,000 "
Lumber	400 cub.ft.
Carbide	6,500 kg.
Zinc	250 "
Tin	250 "
Ball Bearing	280 sets
White metal	2,100 kg.
Caustic Soda	650 "

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	69,000 kg.
Special steel	120 "
Cast iron	17,600 "
Cast steel	6,800 "
Forged steel	6,000 "
Copper	200 "
Lumber	8,000 cub.ft.
Oxygen	2,400 cub. m.
Carbide	4,500 kg.
Welding rod	2,000 "
Bolts and nuts	1,800 "
Valves and pieces	50 pieces

b. FOR MAXIMUM CAPACITY

Hull Dept.

DESCRIPTION	QUANTITY
Steel	750 T
Lumber	30,000 cub.ft.
Manila rope	7.000 kg.
Wire rope	2,200 "
Cork board	16,000 "
Cork dust	5,000 "

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

Hull Dept.(Cont'd)

DESCRIPTION	QUANTITY
Cotton canvas	1,200 kg.
Paint	12,000 "
Copper	3,500 "
Zinc	2,400 "
Tin	200 "
Glass	600 "
Rubber	120 "
Heavy oil	20,000 "
Lubricating oil	2,000 "
Cement	22,000 "
Oxygen	8,500 cub.m.
Carbide	25,000 kg.
Light oil	150 "
Tyre for car (32"X6")	10 pieces
Tube for car (32"X6")	10 pieces

Engineering Dept.

DESCRIPTION	QUANTITY
Steel	34,000 kg.
Special steel	13,000 "
Pig-iron	120,000 "
Cast-iron scrap	120,000 "
Forged steel	60,000 "
Copper	4,900 "
Steel scrap	70,000 "
Lumber	540 cub.ft.
Carbide	9,000 kg.
Zinc	500 "
Tin	500 "
Ball Bearing	850 sets

Chemical Machinery Manufacturing Dept.

DESCRIPTION	QUANTITY
Mild steel	210,000 kg.
Special steel	360 "
Cast iron	55,000 "
Cast steel	21,000 "
Forged steel	18,000 "
Copper	600 "
Wood	24,000 cub.ft.
Oxygen	7,200 cub.m.
Carbide	13,500 kg.
Welding rod	6,000 "
Bolts & nuts	5,400 "
Valves and pieced	150 pieces

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

Hull Dept.

DESCRIPTION	QUANTITY
Coal	750 T
Cokes	60 T

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

Hull Dept. (Cont'd)

DESCRIPTION	QUANTITY
Charcoal	25T
Heavy oil	12T

Engineering Dept.

DESCRIPTION	QUANTITY
Coal	450 Tons
Cokes	150 "
Heavy oil	10 "

Chemical Machinery Manufacturing Dipt.

DESCRIPTION	QUANTITY
Coal	75,000 Kg.
Cokes	22,000 "
Heavy oil	4,500 "

13. Additional personnel needed: (Not locally available)

Hell Dept. Nil

Engineering Dept.

Special skills	Number
Pattern making	20
Forging	50
Casting	100

Chemical Machinery Manufacturing Dept.

SPECIAL SKILLS	NUMBER
Boiler making	50

14. Prices: (Give current selling prices in Yen of Principal products.)

Hull Dept.

DESCRIPTION	UNITS	PRICE
Repairing ship	Gross tonnage	¥ 100
Fishing boat	"	10,000
Repairing railway car	1 set	80,000
Steel structure	Steel ton	5,000
Lumber	Cub. ft.	6,000
Salt tray	1 piece	10,000
Steel bar	Ton	2,600
Rivet, bolt & nuts	Ton	5,000
Nail	Ton	15,000

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

Mitsui Shipbuilding Co.mLtd.

Engineering Dept.

DESCRIPTION	UNIT	PRICE IN YEN
New construction of fishing boat	Per G/T	5,000
Repair job of ship	"	50
Large flour mill	1 set	80,000
High speed crusher	"	7,500
Wood working machine	2	30,000
Cutter knife for wood working	"	500
Small Diesel Engine (200 HP)	"	300,000
Medium Diesel Engine (400 HP)	"	500,000
Hot bulb engine (200 HP)	"	200,000
Induction motor (7.5 HP)	"	4,000
Oxygen	Per 1,000 cub. m.	4,800

Chemical Machinery Manufacturing Dept.

DESCRIPTION	UNIT	PRICE IN YEN
Gas generator	1	5,000,000
Desuphuriser	1	4,800,000
Gas washer	1	150,000
Electroliser	1	12,000
Vacuum evaporator	1	1,800,000
Baking ovem	1	240,000
Mixer	1	10,000
Boiling oven	1	75,000
Alcohol fine distiller	1	30,000

15. Remarks (Supplementary Statement)
Plan for Salvage and or Scrapping Operations

1. Plan for the Vessel
   a. Name Ikoma
   b. Type A.C.
   c, Tonnage 17,500
   d. Present Condition Stranded
   e. Location Shodoshima
2. Schedule for Operation
   a. Date of Start June 1946
   B. Date of Completion September 1946
   c. Outline of Operation
   The ship will be towed from the present location to the Tamano port between 2nd and 4th of June.
   Then the part above the lower deck will be cut during June, July and August and the part below the said deck in September. In each case the weight of the blocks will be from 3 to 50 tons.
   Thus by the end of September the Ikoma shall have no appearance as a ship. In and after October the blocks will be cut into smaller scraps.
3. Remarks
   a. Shortage of coal, coke, carbide and etc. especially the supply of carbide controlled by Government is too little for our demand.
   b. The detailed plan for operation will be submitted later on.

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

Mitsui Shipbuilding Co.,Ltd.

16. Certification by applicant:

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

MITSUI SHIP BUILDING & ENGINEERING CO., LTD., TAMANO WORKS

Signed K. Kitamura

Title: Manager.

17. Action by Occupation Forces:

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

a. Ordered to remain closed Yes ____ No ____

b. Ordered to cease operations immediately

Yes ____ No ____

c. Authorized to product at the following rate.

Item to be manufactured	Monthly Quantity

Signature of Authorizing Officer

Designation of Authorizing Unit

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

IMPERIAL JAPANESE GOVERNMENT

TO : THE 36TH MILITARY GOVERNMENT CO.U.S. ARMY

FROM : Financial Ministry of the Japabese Government.

THROUGH : Central Liaison Office, Tokyo.

SUBJECT : Recommendation on scrapping of Former Naval Vessels. (Larger than Destroyers)

NO.

Date: June 1st 1946.

1. Reference:

SCAP Memorandum AG 045.93 (30 Apr 46) GD (SCAPIN-910) concerning "Destruction of Former Japanese Naval Vessels".

2. The Japanese Government hereby submits, as per enclosure, to the Headquarters of the 36th Military Government Co.U.S. Army, an application for scrapping operations of the Ikoma by the Mitsui Shipbuilding and Engineering Co., Ltd. in accordance with the Item C Section 3 of the memorandum mentioned above.

3. The Japanese Government recommends the Mitsui Shipbuilding and Engineering Co., Ltd. as qualified to execute the scrapping operations.
Recognition has been given of the applicant's ability to complete the operations within the directed date and expansion of present i industrial activities.
The operating schedule has been fixed as part of the general plan for undertaking Directive AG 045.93 (30 Apr 46) GD (SCAPIN-910) fully approved ComNavJap.

FOR THE MINISTER OF FINANCE:

(H. Kato)
Chief of State Property Bureau,
Ministry of Finance.

Enclosure: Application by the Mitsui Shipbuilding & Engineering Co., Ltd.

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

CHUGOKU
INFORMATION
O.D. //
SEP 29

MOT-M No.1096 (VB)

1 Sep. 1950

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS
(Att. ESS/Shipbuilding)

FROM : CHIEF, SHIP BUREAU, MINISTRY OF TRANSPORTATION

VIA : Ministry of Foreign Affairs

SUBJECT : Correction of the Matters Authorized for Change in Designs of a Vessel under the Fifth Shipbuilding Program

REFERENCE: FOM No.1448 (TRN) 17 July 1950
Subject: Change in Designs of Vessels Authorized for Construction or Conversion

We had previously made a report, with Reference above, on change in designs of vessels authorized for construction or conversion; but later having found a mistake in regard to a vessel, we hereby reque that correction be made as follows:

MANUFACTURING AND INDUSTRY
FILE O-5

Shipowner:	Mitsui Senpaku K.K.
Shipyard:	Mitsui Tamano
Location:	Okayama Prefecture
Kind of ship:	Cargo (each)
Gross Tonnage:	7,000 (each)
Hull No.:	No.556 & 557

	Original Design	New Design
Mistaken	Three islander (fore castle deck is fr. No.139 & fore)	Three islander with long fore castle deck (fr. No.141 & fore)
Corrected	With fore castle deck (fore castle deck is fr. No.139 & fore)	With long fore castle deck (fr. No.141 & fore)

M. Yamashita

M. Yamashita
Chief,
Shipbuilding Section.

For S. Amari
Chief, Ship Bureau,
Ministry of Transportation.

E. Woodward

FOREIGN LIAISON SECTION
RECEIVED
SEP 11 1950
AM 11:00

Note: Vessels described in the reports are part of 1950-51 shipbuilding and reconversion program which GHQ, SCAP is giving blanket approval instead of screening indiyidual applications as in the past.

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

Annex

CHUGOKU
INFORMATION:
O.D. 11
SEP. 29. 1950

Shipowner:	Maritime Safety Agency
Shipyard:	Mitsui Tamano
Location of Shipyard:	Okayama Prefecture
Kind of Ship:	Patrol Boat
Hull No.:	No.559 & 560
No. of Ship	2
Gross Tonnage:	approx. 450
Dead Weight:	-
LxBxD (M)	47.50x8.10x4.50
Full Draft (M)	-
Engine:	Diesel
Horse Power:	650x2
Max. Speed:	approx. 15
Fuel:	Heavy oil
The Term of Work:	8 months (each)

MANUFACTURING
AND INDUSTRY
FILE O-5

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

Tamano, 7th Sept., 1950.

Chugoku Civil Affair Region HQ,

K u r e.

Dear Sirs,

Re: General situation of the plant

We hereby enclose two copies of the report on general situation of the plant for your information.

Yours truly,

MITSUI SHIPBUILDING & ENGINEERING CO.,LTD., TAMANO WORKS.

T. Asano for S. Tanaka

Managing Director.

2 Encl.

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

MITSUI SHIPBUILDING & ENGINEERING CO., LTD.,
TAMANO CITY, OKAYAMA PREFECTURE, JAPAN.

Tamano, 7th Sept., 1950.

GENERAL SITUATION OF THE PLANT

SHIPBUILDING

1. 2nd September --- Ship No. 556 "Azumasan-Maru" (7,000 G/T) for Mitsui Steam Ship Company was successfully launched at 3.00 p.m.

2. Repairing of whaler "No.1 Nisshin-Maru" (11,803 G/T) of Taiyo Fishery Co. is scheduled to be completed by the end of September in order to be serviceable at her departure on 1st Nov. from Yokosuka.

3. The delivery of export ship oil tanker "Gerd Maersk" (17,900 G/T) for Maersk Line, Denmark is expected to be held on 29th September.

LABOR

* See our report dated 25th August, 1950.

5th September

(a) The Company replied to the second union's demand regarding "Demand of lump sum allowance," as follows:

The Company comprehends the hardship of the employees caused by the payment of citizens tax, therefore shall loan an average amount of ¥1,200 per capita to appropriate for the payment of tax. This loan shall be redeemed by six months' instalments.

(b) To this the second union demanded as follows:

We did not demand for a loan. Company's reply wander from the subject. Considering the desire of workers we urge the Company to show their sincerity to maintain the livelihood of union members.

(c) The Company promised to reconsider the demand.

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

sui Shipbuilding & Engineering Co., Ltd.
Tamano, Okayama. Japan.

Tamano, 25th August, 1950.

Chugoku Civil Affairs Region HQ,
K u r e.

Dear Sirs,

Re: General Situation of the Plant

We hereby enclose two copies of the report on general situation of the plant for your information.

Yours truly,

MITSUI SHIPBUILDING & ENGINEERING CO.,LTD., TAMANO WORKS.

Managing Director

c.c. Chugoku Liaison & Coordination Office

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

...ui Shipbuilding & Engineering Co., Ltd.
... Tamano, Okayama. Japan.

Tamano, 25th August, 1950.

GENERAL SITUATION OF THE PLANT

SHIPBUILDING

The keel laying of two patrol ships (each 450 displacement tonnage) for Maritime Safety Buroau was held on 15th August.

The delivery is expected in the end of January and February.

LABOUR

25th August:

The council of the second union on the ground of reasons as mentioned below, unanimously passed the bill regarding "Demand of lump sum allowance" and presented it to the company.

Reason:

(a) The rise in cost of living owing to rise in prices.

(b) Full width increase of citizen's tax and time pressure of its term of payment caused by the revision of local Tax.

Payment:

(a)	Amount demanded:	Average per capita ¥ 2,500.- (tax included)
(b)	Rating:	Link up with wage basis
(c)	Date of payment:	28th Sept.
(d)	Reply requested:	By 5th Sept.

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

FIELD TRIP REPORT

R.G. STRADLEY

Tamano
4 September 1950

1. **Purpose:**

Inspection of Mitsui Shipbuilding and Engineering Co., Ltd., Tamano Works, Tamano City, Okayama Prefecture.

2. **Background:**

Surveillance of production in accordance with O.D. 11.

3. **Discussion:**

Conferees:

Mr. Kato, President
Mr. Tanaka, Managing director
Mr. Miyazaki, Asst. Manager
Mr. Mochidate, Chief of General Affairs Dept.
Mr. Matsutani, Liaison Officer

a. New Construction.

Name of Ship	Type	Tonnage	Owner	% of Completion
Gerd Maersk	Oil Tanker	12,500 G/T	Maersk Line Ltd.	95%
Maeiko Maru	Cargo Boat	5,600	Meiji Kaiun K.K.	82%
Azumasan Maru	2 Cargo Boats	14,000	Mitsui Steam Ship Co.	57%
Amakisan Maru		14,000	"	24%
-	Cargo boat	5,600	Matsuoka Kisen K.K.	28%
-	Diesel engine 6,450 BHP (Hull builder Harima Shipyard)		The East Asiatic Co.	80%
2 Picket Boats		450 (Displacement Tonnage)	Maritime Safety Board	37%

D-5

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

b. Repair, 4 Ships

c. Conversion, None

d. The Company hires a total of about 6200 permanent workers including those employees for Osaka and Tokyo branch offices in addition to approximately 600 casual laborers. Labor relations were found to be in a satisfactory condition.

e. The five (5) Reparations machines that had been brought from the former Kure Naval Arsenal Area are in the process of installation. It is expected that a substantial length of time will be required to start operating any one of these machines as they lack some of the necessary parts.

Code No	Type
11-5(6)-1480	Radial drill
11-5(6)-1094	Lathe
11-5(6)-1995	"
11-5(6)-1100	"
11-5(6)-4149	Shaft Lathe

f. Status of costs of steel materials and production. (According to President Kato).

Classification	Before withdrawal of subsidy on steel, Dec 1949	After withdrawal of subisdy on steel, Aug 1950	Costs desired by shipbuilders to compete in World Markets	Present market price in England
Steel materials per ton	¥18,000(ready use materials) ¥7,000-¥8,000 (for extra unfit materials)	¥33,000 Delivered according to specification)	Approx. ¥27,000 (Materials to be delivered according to specifications)	$70 (¥25,2000)
Shipbuilding cost per ton	¥74,000	¥85,000	¥73,000	

g. The yard hires about 200 skilled electric welders and has recently hired about 100 apprentices for the same.

h. A detailed report on the present construction with GHQ, SCAP authorization is in our file.

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

4. Conclusions:

No unauthorized construction, repair and conversion was in progress.

No particular problem was in evidence with the exception of anticipated lack of orders which is especially feared after December 1950.

The consensus of opinion among the steel shipyards is that the soonest possible decision by GHQ, SCAP on the speed of boat and ratio of loans to be made available from the U.S. Aid Counterpart Fund be made in order to expedite the allocation of orders under the Six Period Shipbuilding Program.

The progressive Shipyards are increasing the number of skilled electric welders in view of the post-war change in shipbuilding techniques and in anticipation of the keen competition in the future.

5. Recommendations

None

R.G. STRADLEY
Chief, Distribution and
Industry Division

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

TOKYO HEAD OFFICE:
MITSUI MAIN BUILDING
NO. 1. 2-CHOME, MURO-MACHI.
CHUO-KU. TOKYO
(TEL.) (24) 3194-7. 4426

KOBE OFFICE:
KAIGAN BUILDING
NO. 3 KAIGANDORI, IKUTA-KU. KOBE
(TEL.) (4) 2237. 2462-3

MITSUI SHIPBUILDING & ENGINEERING CO., LTD.
TAMANO WORKS:
NO. 10 TAMA, TAMANO. OKAYAMA PREF. JAPAN.

CABLE ADDRESS: MITUIZOSEN TAMANO
TELEPHONES: 10. 11. 17. 153. 229.
232. 233. 240.

YAHATA OFFICE:
MUROMACHI-BUSSAN BLDG.
NO. 1-CHOME, SHIRAKAWACHO.
YAHATA FUKUOKA PREF.
(TEL.) 717

PRODUCTIONS:
PASSENGER SHIPS, CARGO SHIPS.
DIESEL ENGINES. CHEMICAL-
MACHINERIES. STEEL STRUCTURES.

Tamano, 23rd August, 1950.

Chugoku Civil Affairs Region,

K U R E.

Dear Sirs,

Monthly Report of New-Shipbuilding

We enclose herewith three copies of the monthly report of new shipbuildings, as of 20th July, 1950, for your information.

Yours truly,

MITSUI SHIPBUILDING & ENGINE-
ERING CO.,LTD., TAMANO WORKS.

S. Tanaka

Managing Director.

SHIPYARD 0.5

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

MONTHLY REPORT ON NEW SHIP BUILDI

As of 20th July, 1950.

Scapin No. & date	Type & gross tonnage	Number of ships	Total gross tonnage	Completed gross t	
				Until last mo.	During this m
	G/T	SHIPS	G/T	G/T	G
AG561 (25 Feb '49) ESS/IN SCAPIN 6415-A	Oil tanker 17,900 d.w.	1	12,500	10,000	6
AG561 (27 Dec '49) ESS/IN SCAPIN 7021-A	Cargo boat 8,500 d.w.	1	5,600	2,744	8
	Cargo boat 9,000 d.w.	2	14,000	1st 1,750	7
				2nd 980	2
GHQ Memorandum 1 Mar '50	Cargo boat 8,500 d.w.	1	5,600	392	2
AG561 (12 May '49) ESS/IN SCAPIN 6571-A	Diesel engine 6,450 BHP	1 set	6,450 BHP	6,191 BHP	194
	Hull builder: Central Japan Heavy Industries, Ltd.,				
AG561 (12 May '49) ESS/IN SCAPIN 6560-A	Diesel ENGINE 6,450 BHP	1 set	6,450 BHP	3,357 BHP	513
	Hull builder: Harima Shipyard				

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

MONTHLY REPORT ON NEW SHIP BUILDING

As of 20th July, 1950.

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

	Total gross tonnage		Completed gross tonnage			Remaining gross tonnage	Number of completed ship in this mo.	Total number of labours for new ship building during this mo.
			Until last mo.	During this mo.	Total			
	G/T		G/T	G/T	G/T	G/T	SHIPS	MAN-DAYS
	12,500		10,000	625	10,625 (85%)	1,875 (15%)	0	42,702
	5,600		2,744	840	3,584 (64%)	2,016 (36%)	0	10,622
	14,000	1st	1,750	700	2,450 (35%)	4,550 (65%)	0	8,817
		2nd	980	210	1,190 (17%)	5,810 (83%)	0	3,316
	5,600		392	224	616 (11%)	4,984 (89%)	0	2,204
	6,450 BHP		6,191 BHP	194 BHP	6,385BHP (99%)	65 BHP (1%)	0	10,088
1	Japan Heavy Industries, Ltd., Kobe Shipyard							
	6,450 BHP		3,357 BHP	513 BHP	3,870BHP (60%)	2,580 BHP (40%)	0	12,347
	Shipyard							

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

MONTHLY REPORT ON NEW SHIP BUILDING

As of 20th July, 1950.

Scapin No. & date	Type & gross tonnage	Number of ships	Total gross tonnage	Completed gross tonn	
				Until last mo.	During this mo.
	G/T	SHIPS	G/T	G/T	G/T
AG561 (25 Feb '49) ESS/IN SCAPIN 6415-A	Oil tanker 17,900 d.w.	1	12,500	10,000	625
AG561 (27 Dec '49) ESS/IN SCAPIN 7021-A	Cargo boat 8,500 d.w.	1	5,600	2,744	840
	Cargo boat 9,000 d.w.	2	14,000	1st 1,750	700
				2nd 980	210
GHQ Memorandum 1 Mar '50	Cargo boat 8,500 d.w.	1	5,600	392	224
AG561 (12 May '49) ESS/IN SCAPIN 6571-A	Diesel engine 6,450 BHP Hull builder: Central	1 set	6,450 BHP	6,191 BHP	194 BH
	Japan Heavy			Industries,	Ltd., Ko
AG561 (12 May '49) ESS/IN SCAPIN 6560-A	Diesel ENGINE 6,450 BHP Hull builder: Harima	1 set	6,450 BHP	3,357 BHP	513 BH
	Shipyard				

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

MONTHLY REPORT ON NEW SHIP BUILDING

As of 20th July, 1950.

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

ber ips	Total gross tonnage	Completed gross tonnage			Remaining gross tonnage	Number of completed ship in this mo.	Total number of labours for new ship building during this mo.
		Until last mo.	During this mo.	Total			
IPS	G/T	G/T	G/T	G/T	G/T	SHIPS	MAN-DAYS
	12,500	10,000	625	10,625 (85%)	1,875 (15%)	0	42,702
	5,600	2,744	840	3,584 (64%)	2,016 (36%)	0	10,622
	14,000 1st	1,750	700	2,450 (35%)	4,550 (65%)	0	8,817
	2nd	980	210	1,190 (17%)	5,810 (83%)	0	3,316
	5,600	392	224	616 (11%)	4,984 (89%)	0	2,204
set	6,450 BHP	6,191 BHP	194 BHP	6,385BHP (99%)	65 BHP (1%)	0	10,088
tral	Japan Heavy Industries, Ltd., Kobe Shipyard						
set	6,450 BHP	3,357 BHP	513 BHP	3,870 (60%)	2,580 BHP (40%)	0	12,347
ima	Shipyard						

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

MONTHLY REPORT ON NEW SHIP BUILDING

As of 20th July, 1950.

Scapin No. & date	Type & gross tonnage	Number of ships	Total gross tonnage	Completed gross tonnage		
				Until last mo.	During this mo.	Total
	G/T	SHIPS	G/T	G/T	G/T	G
AG561 (25 Feb '49) ESS/IN SCAPIN 6415-A	Oil tanker 17,900 d.w.	1	12,500	10,000	625	10,625 (85%)
AG561 (27 Dec '49) ESS/IN SCAPIN 7021-A	Cargo boat 8,500 d.w.	1	5,600	2,744	840	3,584 (64%)
	Cargo boat 9,000 d.w.	2	14,000	1st 1,750	700	2,450 (35%)
				2nd 980	210	1,190 (17%)
GHQ Memorandum 1 Mar '50	Cargo boat 8,500 d.w.	1	5,600	392	224	616 (11%)
AG561 (12 May '49) ESS/IN SCAPIN 6571-A	Diesel engine 6,450 BHP	1 set	6,450 BHP	6,191 BHP	194 BHP	6,385 BHP (99%)
	Hull builder: Central Japan Heavy Industries, Ltd., Kobe Shipyard					
AG561 (12 May '49) ESS/IN SCAPIN 6560-A	Diesel ENGINE 6,450 BHP	1 set	6,450 BHP	3,357 BHP	513 BHP	3,870 BHP (60%)
	Hull builder: Harima Shipyard					

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

MONTHLY REPORT ON NEW SHIPBUILDING

As of 20th July, 1950.

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

er / ps	Total gross tonnage	Completed gross tonnage			Remaining gross tonnage	Number of completed ship in this mo.	Total number of labours for new ship building during this mo.
		Until last mo.	During this mo.	Total			
S	G/T	G/T	G/T	G/T	G/T	SHIPS	MAN-DAYS
	12,500	10,000	625	10,625 (85%)	1,875 (15%)	0	42,702
	5,600	2,744	840	3,584 (64%)	2,016 (36%)	0	10,622
	14,000 1st	1,750	700	2,450 (35%)	4,550 (65%)	0	8,817
	2nd	980	210	1,190 (17%)	5,810 (83%)	0	3,316
	5,600	392	224	616 (11%)	4,984 (89%)	0	2,204
et	6,450 BHP	6,191 BHP	194 BHP	6,385BHP (99%)	65 BHP (1%)	0	10,088
ral	Japan Heavy Industries, Ltd., Kobe Shipyard						
et	6,450 BHP	3,357 BHP	513 BHP	3,870 (60%)	2,580 BHP (40%)	0	12,347
a	Shipyard						

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

11 Mar 50
561.4 RSS/IND.
Mitani

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Civil Affairs Section
APO 500

561.4 (14 Mar 50)CAS-EM

21 MAR 1950

SUBJECT: Applications for Approval to Construct Three (3) Steel Cargo Vessels.

TO: Chief, Tokai-Hokuriku Civil Affairs Region APO 710
Chief, Kinki Civil Affairs Region APO 25
Chief, Chugoku Civil Affairs Region APO 248

I-20-0

1. Reference is memorandum for the Ministry of Transportation from General Headquarters, Supreme Commander for the Allied Powers, Economic and Scientific Section, 561.4 (11 Mar 50)RSS/IND, subject as above, 11 March 1950.

2. Surveillance will be exercised in accordance with Paragraph 3f of Operational Directive No. 51 Headquarters Eighth Army Dated 27 September 1949.

FOR THE CHIEF, CIVIL AFFAIRS SECTION:

1 Incl
Memo for Min. of
Transp., Ship Bureau.
w/1 incl., 11 Mar 50

J. A. O'KEEFE
CWO, USA
Adjt

Cont.

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

Economic and Scientific Section

HBO/WT/ECW/mib
11 March 1950

561.4 (11 Mar 50)ESS/IND

MEMORANDUM FOR: Ministry of Transportation, Ship Bureau, No. 1 Itt-chome, Marunouchi, Chiyoda-ku, Tokyo

SUBJECT: Applications for Approval to Construct Three (3) Steel Cargo Vessels

1. References are:

a. FOM No. 1731(TRM), 21 December 1949, subject: Application for Approval to Construct a Steel Cargo Vessel.

b. FOM No. 1732(TRM), 21 December 1949, subject: Application for Approval to Construct a Steel Cargo Vessel.

c. FOM No. 1737(TRM), 21 December 1949, Subject: Application for Approval to Construct a Steel Cargo Vessel.

2. No objection is offered to the construction of three (3) steel cargo vessels as specified in Inclosure 1.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

MAURICE M. CLASS
Chief, Industry Division

1 Incl
List of Cargo Ves
Auth for Constr

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

LIST OF CARGO VESSELS AUTHORIZED FOR CONSTRUCTION

NAME OF SHIPYARD	NAME OF SHIPOWNER	HULL NO.	TYPE & CLASS	NO. OF SHIPS	GROSS TONS	NET TONS	FUEL	PERIOD OF CONSTRUCTION
Nipponkai Dock Toyama Pref.	Asabi Kaiun	530	Cargo ABS	1	4,200	6,300	Heavy oil & coal	10 months
Harima Main Hyogo Pref.	Shin-Nippon Kaiun	452	Cargo ABS	1	3,700	3,500	Coal	7 months
Mitsui Tamano Okayama Pref.	Matsuoka Kisen	558	Cargo ABS	1	5,600	3,600	Coal	10 months

TOTAL 13,500 G.T.

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

Mitsui Shipbuilding & Engineering Co, Ltd. TAMANO

Sept. 10, 1945.

We certify that this report is true and correct in every respect.

MITSUI SHIPBUILDING &
ENGINEERING CO., LTD.

S. Tanaka

S. Tanaka,
Senior Managing Director.

Oil Tanks

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

Mitsui Shipbuilding & Engineering Co, Ltd. TAMANO

PART A.

1.	Identification:	Tank Number No. 1	
2.	Owner:	6-12-1941	Mitsui Shipbuilding & Engineering Co., Ltd. Tamano Works.
		15-8-1945	" "
		At present	" "
3.	Present User:	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.	
4.	Present Use;	Heavy Oil (Dirty)	
5.	Type of Construction:	On earth, vertical, steel-made, rivatted.	
6.	Capacity:	1,887 barrels	
		Diameter	25.849 feet
		Height	24.358 "
		Lateral plate	5 strata
7.	Present Condition:	Usable (no damaged) and is in use.	
8.	Accessories:	Valve	2
		Lightning-rod	1
		Swing pipe (with winch)	1
		Ladder	1
		Manhole	1
		Oil pipe	1
		Atmos-valve	2
		Air pipe	2

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

PART A.

1. Identification:	Tank Number No. 2	
2. Owner:	6-12-1941	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.
	15-8-1945	" "
	At present	" "
3. Present User:	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.	
4. Present Use:	Heavy Oil (Dirty)	
5. Type of Construction:	On earth, vertical, steel-made, rivetted.	
6. Capacity:	1,572 barrels	
	Diameter	26.645 feet
	Height	19.387 "
	Lateral plate	4 strata
7. Present Condition:	Usable (no damaged) and is in use.	
8. Accessories:	Valve	4
	Manhole	1
	Radder	1
	Oil pipe	1
	Lightning rod	1
	Atmos valve	2
	Air pipe	2

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PART A.

1.	Identification:	Tank Number No. 3
2.	Owner:	6-12-1941 Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works. 15-8-1945 " " At present " "
3.	Present User:	Present Owner, Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works used it until Aug. 21, 1947.
4.	Present Use:	Storage of abandoned oil (Dirty) until Aug. 21, 1947.
5.	Type of Construction:	Horizontal, steel-made, rivetted.
6.	Capacity:	1,887 barrels Diameter 16.404 feet Length 29.329 "
7.	Present Condition:	Usable (no damaged), but is not used at present.
8.	Accessories:	Valve 2 Manhole 1 Atmos valve 2 Air pipe 2 Ladder 1

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PART A.

1.	Identification:	Tank Number No. 4
2.	Owners:	6-12-1941 Mitsui Steam-ship Co.,Ltd. 15-8-1945 Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works. At present " "
3.	Present User:	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.
4.	Present Use:	Abandoned oil (Dirty)
5.	Type of Construction:	On earth, horizontal, steel-made, rivetted.
6.	Capacity:	1,887 barrels Diameter 16.404 feet Length 29.329 "
7.	Present Condition:	Usable (no damaged) and is in use.
8.	Accessories:	Valve 2 Manhole 1 Atmos valve 2 Air pipe 2 Radder 1

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

PART A.

1.	Identification:	Tank Number No. 5
2.	Owner:	6-12-1941 Mitsui Steam-ship Co.,Ltd. 15-8-1945 Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works. At present " "
3.	Present User:	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.
4.	Present Use:	Abandoned oil (Dirty)
5.	Type of Construction:	On earth, horizontal, steel-made, rivetted.
6.	Capacity:	1,887 barrels Diameter 16.404 feet Length 29.329 "
7.	Present Condition:	Usable (no damaged) and is in use.
8.	Accessories:	Valve 2 Manhole 1 Atmos valve 2 Air pipe 2 Radder 1

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

PART A.

1.	Identification:	Tank Number No. 6
2.	Owner:	6-12-1941 Mitsui Steam-ship Co.,Ltd. 15-8-1945 Mitsui Shipbuilding & Engineering Co., Ltd. Tamano Works. At present " "
3.	Present User:	Since ever the transference on 1942 from Mitsui Steam-ship Co., Ltd. to Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works, it is not used.
4.	Present Use:	Same as above.
5.	Type of Construction:	On earth, Horizontal type, steel-made, rivetted.
6.	Capacity:	1,387 barrels Diameter 16.406 feet Length 29.329 "
7.	Present Condition:	Usable, but is not used at present.
8.	Accessories:	Valve 2 Manhole 1 Atmos valve 2 Air pipe 2 Ladder 1

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

PART B.

9. Name and Location of Installation:

Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.
19, Tama, Tamano-city, Okayama prefecture.

10. Total Number of Tanks:

Usable: 6 tanks (now using 4 tanks among them)
Unusable: 0

11. Total Capacity:

Usable: 11,007 barrels (now storing 3,427 barrels)

12. Total Tanks in Use: Dirty 4 tanks

13. Total Tanks not in Use: Dirty 2 tanks

14. Route of Communication:

Private track: None

3500 feet asphalted road to Uno Station, and it is usable.

15. Water Ways:

This installation is in Uno Harbour.

Depth of water: When it is ebb of tide, 20 feet.
When it is flow of tide, 27 feet.

Dry Dock: 4 - all usable.

Maximum size of ship moorable, 12,000 G/T.

There is a quay of discharge.

16. Primary Function: Storage of oil.

17. Discharging and Loading Facilities:

Barge, Pipe line.

(At discharging and loading of oil, usually we moor ship at quay, discharge oil by pump attached to the barge, and loading it by the way of natural flow-out on account of difference of height between ship on water and tank on earth.
In the case of little volume, we transfer oil in 27 tons box-tank by ship, and discharge it by air pump.)

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18. Capacity of Operation in Item 17:

3 inch pipe (200 feet) attached to No. 1 Tank.

3 inch pipe (75 feet) attached to No. 2 Tank.

1 barge (1,572 barrels)

0.7 inch air pump: Dischargeable 15 barrels of oil per hour.

Pipes are all perfect and not corroded.

Pump is perfect.

19. Capacity for Use: 100%

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PART C - 1.

Consolidation of Aboveground Tankage by Prefecture.

DATE: 10-9-1945.

Prefecture: OKAYAMA.

Name and Location	Tank Capacity	Ownership			Tanks in Use						Tanks not in Use					
		Govt.	Private		Clean		Dirty		Total		Clean		Dirty		Total	
			Jap. nati.	For-eign	No.	Cap.	No.	Cap.	No.	Cap.	No.	Cap.	No.	Cap.	No.	Cap.
Mitsui Ship-building & Engineering Co., Ltd. 10, Tama, Tamano-city, Okayama prefecture.	Barrel 1587	0	5	0			3	5661	3	5661			2	3774	2	3774
	1572	0	1	0			1	1572	1	1572						
Total		0	6	0			4	7233	4	7233			2	3774	2	3774

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