

File

HEADQUARTERS  
U.S. STRATEGIC BOMBING SURVEY  
(PACIFIC)  
APO 234  
C/O POSTMASTER, SAN FRANCISCO

PLACE: Kobe

DATE: 23 Oct. 1945.

INTERROGATION NO. 215  
(Obtain from G-2)

Division of Origin: Capital Equipment & Construction.

Subject: Mitsubishi Heavy Industries Co., Ltd.,  
Kobe Shipyard & Engine Works.

Personnel interrogated and background of each:

- FUJII, S. Managing Director, Mitsubishi Heavy Ind. Co.
- NOCHIZAKI, S. Sec'y, Liaison Office (Interpreter)
- SAKAI, G. Ass't Managing Director.
- KOKUBO, R. Superintendent, design and drawing dep't., ship & engine works.
- SHIGETORI, H. Sup't., General Affairs Dep't.
- MIZUKAMI, T. Sup't., Ship Design Dep't.
- OYA, M. Sec'y., General Affairs Office.
- NIEKAWA, E. Head of Estimating and Contract Office.
- SAGAWA, S. Sec'y., Estimating and Contract Office.

Where interviewed (office) Mitsubishi office, Kobe.

Interrogator: Maj. G.J. Hales.

Interpreter: Lieut. G.B. Love, USNR

SUMMARY

A report on the inspection of the Kobe works and the interview of the above named officials of the company, dated 23 Oct. 1945, was forwarded to the Tokyo Office, with a copy for G-2 for dissemination from there.

This report describes the number of employes at various periods during the war and the drastic reduction in the number of employes available due to (1) air raids and (2) calls to service.

The decline in production was ascribed to: (1) lack of raw materials, due in large part to transportation shortages; (2) labor shortage; (3) continual changes in production orders. The relations were "almost perfect" with the Navy until June 1945, after which the Navy was unable effect a supply of raw materials or labor.

The plant at Kobe was said to have been approximately 20% damaged.

The principal products: ships, engines, ship machinery.

The plant equipment and operations are described, with reference made to matters of probable interest to other divisions.

Further information in response to a questionnaire is due in Tokyo 1 Nov.

A further compilation of information obtained from the company on the interview, a copy of which was previously furnished to GHQ, is enclosed.

DISTRIBUTION: All Divisions.

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LIST OF SHIPBUILDING & MANUFACTURING FACILITIES

Name of Works: Mitsubishi Heavy Industries Limited Kobe Shipyard  
and Engine Works.  
Location: No.3-Chome Wadasaki-cho, Borough of Hyogo, Kobe City.  
Manager: Shintaro Matora, President of Mitsubishi Heavy Industries Ltd.  
Head office address: No.4, 2-chome Marunouchi, Kojimachi-ku. Tokyo-to.  
Capital of Company: Yen 1,000,000,000.

Land area of Works:	Work shops	402,796.6 sq.meters.	
	Welfare facilities	182,078.1	
	Welfare fare	<u>430,748.3</u>	
		1,015,623.0	"
	Buildings: Workshops	135,704.0	"
	Warehouses	22,754.5	
	Offices	17,236.1	
	Welfare blds.	37,973.5	
	Others	<u>2,233.2</u>	
	Total	215,901.3	"

Principal production:

1. Shipbuilding and repair of ships.
2. Manufactures and repair of non-military equipment: steam turbines, boilers, hydraulic turbines, internal combustion engines, auxiliary machinery for non-military uses, & O. & C.
3. Steel structures: Steel Poles, steel pipes, oil and water tanks, bridges, steel girders and structural steel work for war renovation, &c.
4. Production and repair of locomotives, vehicles and freight cars.
5. Articles for daily use: Bicycles, rear-cars, small built up houses and furniture.

No. of employees.

(September 30th, 1945.)

	<u>Registered</u>	<u>Average attendance</u>	<u>Actual workers.</u>
Staff	2,971	85 %	1,831
Workmen	8,195	66.4	3,221

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Princip  
Equipment  
& machinery:

1. Shipbuilding berths.

No.	1	2	3	4	5
Length	146.299	146.299	140.203	128.011	98000 meters.
Breadth	13.105	15.117	14.020	19.506	23.600 "

2. Docks.

No.	1	2	3	4
Type	Floating Dock.	Floating Dock	Floating Dock	Dry dock (not yet in service)
Capacity (Max. length)	M 131.0	M 164.6	M 144.8	M 148.0
" breadth	17.1	20.0	27.0	20.4
" draught	5.3	6.0	8.0	9.0

3. Quay Walls.

No.	1	2	3	4	5
Length	150 m.	135 m.	110 m.	135 m.	160 m.
Depth	9 "	9 "	6 "	8 "	9 "

4. Piers.

No.	1 (Wada-Kita)	2 (Wada-Minami)
Length	150 m.	155 m.
Depth	9 "	9 "

5. Machine tools; Metal cutting, shaping and grinding machines 1,456.  
Wood-working machines 54
6. Manufacturing equipment: Presses, hammers, electric furnaces, &c. 1,083.
7. Power plant: Generating plant, electric motors, air compressors, pumps, &c. 980
8. Transport facilities: Gantry and other cranes, trucks and tugboats. 567

Capacity:	Average	Type.	No. of ships	Total
Annual ship construction	2A (6,900 G.T)	& engines	12	82,800 G.T.
Annual repairs	5,566 G.T.		218	1,213.423 "
Annual engineering production	(Steam turbines (5,000 H.P.)		18	90,000 H.P.
	(Internal combustion engines (500 H.P.)		70	35,000 H.P.

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Fuel in stock:	Coke	70 tons.					
	Coal	519 tons.					
Materials in stock:	Mild steel	20,042 tons.		Metals	1,435 tons.		
	Special steel	1,338 tons		Non-ferrous metals	1,132 tons.		
Completed & under	Merchant ships	Main turbines	Marine turbines	Land turbines	Marine boilers	Land boilers.	

Construction:							
Completed.	0	2	0	0	6	0	
Under construction	3	1	6	2	3	10	
	Diesel engines.	Hyd. turbines.	Turbo-generators.	Diesel generators.	Marine pumps	Sea-water pumps	
Completed	7	0	1	2	44	0	
Under construction.	29	3	14	7	134	21	

Note: 1. In order to accomplish the production above mentioned, it will be necessary to augment considerably the number of workers.

2. It will be possible to increase the annual volume of repairs to more than 2,000,000 tons by increasing the number of workers in the future.