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INFORMATION REPORT

Korea

North Korean Metal Industry

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SUPPLEMENT TO REPORT NO.

25X1X The major North Korean iron and steel industries were as follows:

a. The Huanghae Smelting Works, which was the former Mippon Seitetsu (中華 版)。 at Kyomip'o (125-38, 38-44) employed 9,860 workers in May 1950 and was managed by NO Yong-11 (京東一)。 Its installations were as follows:

Item	Mands	or C	apocity Per Day in T	ions.
Blast furnace Blast furnace Open hearth furnace Open hearth furnace Miner furnace	2 1 3 1	3	50 pig iron 00 pig iron 50 steel ingots 60 steel ingots	A STATE OF THE STA
 large rolling mill Thick plate rolling mill Thick plate rolling mill Expansion rolling mill Expansion rolling mill Color furnace Color furnace Sulphuric acid plant Amountum sulphate plant Light dil plant Bermane plant The plant Pitch plant Anthracene plant Anthracene plant Cransote plant Slag brick plant Burning furnace Burning furnace Fire brick plant		3	35 rail steel 30 steel plates 33 steel sheets 26 round steel 9.5 35 9.5 25 25 sulphuric acid 20 amonium sulphate 19 light oil 18 berzene 74 tar 49 pitch 9.4 naphthalene 1.4.8 creosote 35 slag brick 16 burnt dolorite 52 live line chamotte brick	TITLE STATE OF THE
Drygen separator	ı		30 square neters per	hour

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The products and output of the Hwanghae Smelting Works were as follows:

Product	Yearly Output in Tons	Product	Yearly Output in Tone
Pig iron Rail steel Steel sheets Coke Ammonium sulphate Benzene Pitch Anthraceno Live lime Cxygon	350,000 70,000 10,000 368,000 5,000 3,000 13,000 2,000 15,000 30 square meter	Steel ingots Steel plates Reund steel Sulphuric acid Light oil Tar Naphthalene Creosote Silica brick	175,000 100,000 8,000 6,900 4,900 17,000 2,000 3,000

The Songjin Steel Works, which was the former Mippon Koshuha (中本点底) 版), employed 4,500 workers in May 1950 and was managed by HAN Chiol (義俊)。 Its installations were as follows:

Item		Number	Capacity Per Day in Tons
√ 500 KWA	Letype electric furnace	· 16	1 Fer-W
- 400 KVA	L-type electric furnace	Ã	.08 Fe-41
₩ 600 KVA	chi-ro (X 4) type electric furnace	, î .	.05 CaC ₂
► 300 KVA	chi-ro type olectric furnace	, i	.03 CaC2
V2.000 K	M L-type cleatric furnace	7	6 electric steel
- Liectric	steel Curace	ž	5 steel ingots
	equency induction furnace	• •	1 per time
Wish-fre	equency induction furnace	4	.05 per time
Steam ha	amme.	í	one ber emae
	77 LGI*	å	
Steam b	amer	1	%
Press		. 1	20
Frees		,L Y	
Modium v	late rolling mill		7.0
"Jin pla	te rolling mill	3	340
Small ro	lling mill	,å. 	33
Electrod	a milant	.k. '3	50
Oxygen n			1.30
Wall fac		.L	30 square meters per hour
Modison m	olling mill	. 3	35 kilos
the same of the Cally of	Validatiff statuta	1.2	110

The products and output of the Songjia Steel Works were as follows:

Product	Yearly Output in Tons	Breduct.	Yearly Cutput in Tons
Fe-W Electric steel Electrodes Wails	2,160 1,800 400 per month 5,000 kilos per month	CaC2 Steel Ingots Oxygen	240 48,000 7,200 square meters per month

The Ch'ongjin Steel Works, which was formerly a plant of the Nippon Seitetsu, employed 3,000 workers in Nay 1950. Its major installations were as follows:

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Item	Number	Capacity For Day in Ton
Blast furnace Celes furnace Ammonium sulphate plant Tar plant Pitch plant Light oil plant Benzene plant Naphthalene plant Anthracene plant Creosote plant	2 2 1 1 1 1 1 1	250 pig iron 1,200 coke 24 ammonium sulphate 90 tar 58.5 pitch 28.5 light oil 24.5 benzene 5.8 naphthalene 1.2 anthracene 14 creosote

The products and output of the Chiongjin Steel Works were as follows:

Product	Yearly Output in Tons	Product	Yearly Cutput in Tons
Pig iron	156,000	Coke	760,000
Ammonium sulphate	7,300	Tar	27,000
Pitch	17,750	Light Cil	7,000
Benzene	7,200	Naphthalene	1,750
Creesote	5,000	Chamotte hrick	24,000

/d. The Hangson (冷小) Steel works, which was formerly the Hitsubish: Steel Works, at Prongrang employed 3,000 workers in February 1950 and was managed by YI Kyu-pong (李句). Its major installation were as follows:

Iton	Number	Canacity Fer Day in Tons
Ltype electric furnace Ltype steel furnace Ltype steel furnace Blooming mill Fedium rolling mill Small rolling mill Wire mill	3 1 1 1	2 FeS 38 steel ingots 34 steel ingots 330 steel pieces 140 rail steel 80 rail steel 26 rail steel

The products and output of the Hangson Steel Works were as follows:

Product	Yearly Output in Tons
Fe S	1.,800
Steel ingots	55,000
Rail steel	74,000

 During 1950 an all-out effort was made to expand ir on and steel production in North Horea. The production goal was set as for 1950 at two and one-half times that of 1948. The following is a table of annual output in tons from 1946 through August 1950:

<u>Item</u>	1946	1947	1948	1949.	Jen-Aug 1950
Pig iron Steel ingots Carbon steel Special steel	3,062	6,052	99,634	166,124	152,000
	5,038	61,496	116,376	125,000	124,000
	4,402	45,649	72,619	97,000	84,000
	2,900	6,740	8,961	11,000	14,000

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- The production quota of 1950 was reached with a disregard of the rate of plant operation in relation to capacity, and, as a result, the quality of the product deteriorated. Since 1946 over 95 percent of the steel produced was expected to the Soviet Union. After the beginning of the war on 25 June 1950, some plants were forced to cease operation because of the loss of power supplies. By November 1950 about 80 percent of the power system in North Korca was destroyed, and 80 percent of factory buildings and from 40 to 60 percent of factory installations were destroyed. Small factories and important factories were moved underground or to rural areas so that production could be continued.
- Other metal-producing plants in North Korea were as follows:

Tiem commission	Number	Capacity in Tons Per Day
Blast furnee	7	150 copper and silver
R rotary kila	2	30 co pper
CW sintering furnace	7	1.00
Pot sintering furnace	16	21
PL sintuing furnace	2	20
HT sintering furnace	1	10
Feil dust collector	1	9,000 peters per day
Oil reflaing vat	3	i.o.
Electrolytic vat	32	205
Zine ovide plant	1	and the state of t

The products and output in tons, of the Chinnamp'o Smelting Works were as follows:

Iter	1947	1548	1949	Janualus 1950
Electrolytic zinc	4,500	5,000	8,000	4,300
Blister copper	1,890	2,100	3,600	2,000
Zine oxide	70	100	260	460
Arsentous acid	600	700	750	5 0 0
Zinc dust	Cards	360	365	300

b. The Marn'yong Smelting Works, 3 which was expanded after the opening of the Kondok (1712) mine in 1949, was formerly the Sumitome (122) Plant in Wonsan, and had 1,500 employees in May 1950. Its major installations were as follows:

ten <u>Number</u>	Capacity Per Day in Tons
Blast furnace 1 Blast furnace 1	25 36
Blast furnace 1	13
Blast furnace 1 CW sintering furnace 4	10°5 8
Lead electrolytic vat Silver electrolytic vat 8	4 cathode lead 4 kilograms silver
Gold melting pot 1 Load arsenate 40	25 kilograms gold bullion 8 arsenic acid

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The products and output in tens, of the Hump yong Smelting Works were as follows:

Ttem.	1947	1948	1949	Jan-Aug 1950
Lead bullion Electrolytic lead Gold bullion Electrolytic silver Electrolytic bismuth	1,500 3,510 1,300 kilos 8,100 kilos	2,500 4,000 1,500 kilos 9,000 kilos	5,000 5,000 2,500 kilos 2,000 kilos	3,500 3,000
Lead oxide Lead arsenate	230	2 50	300	3 300
Arsenious acid Oxygen		(0)	77	40
				8,000 square meters

The Hungman Smelting Works was the former lippon Nitrogen Plant and had 1,000 employees in May 1950. Its Major installations were as follows:

Item	Number	Capacity or Day in Tons
PL sintering furnace PL sintering furnace PL sintering furnace Ne-re-ru (今以子) type rotary	3 8 6	150 9 5
Copper electrolytic var Lead electrolytic vat Lead furnace Copper furnace	196	60 wickel allver 9 cothode copper 900 cathode lead 25 lead bullic
Pot sintering furnard H.F. sintering furnate Co furnace	12 1 1	90 coppe- 21 16 603 kilos
Co furnace De-copperization va: Vitriolization furnce		360 kilos 900 kilos 10,000 kilos copper sili te

The products and output in tons, of the Hugman Smelting Works were as folic,

Item	1947	948	1949	Jan-Aug 1950
Electrolyth copper Cold bull in Electrol is nickel	1,700 2,650 kilos	1,900 1,000 kilos	2,000 5,000 kilos	1,260 2,400 kilos
Electro cic locd Copper ulphate	200 170	40 0 2 5 0	400 400 350	30 150 120

d. The reju Smelting works employed 180 workers in 1950 and had the following output, in tons:

It A	3947	1948	19/9	Jan-Aug 1950
rad bullion	350	27	37	25
Obalt oxide	2,100 kil)S		

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1. Comment. Probably used for dyes-but amounts seem large.

25X1A. Comment. For a previous report on the Chiongjin Steel Works, see

25X1A3. 25X1A Comment. For previous reports on the Munp yong Smelting Works, see