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No 2

#2334

外務省管理局経済部大陸課長たる本官鈴木政勝は別紙滿洲五箇年計畫（第二編）は當省に公文記錄なきも舊滿洲國政府關係者に依り内容の眞正なることの認證を得たることを證明す

昭和二十一年六月二十八日

外務省管理局経済部
大陸課長　鈴木政勝

鈴木

外務省

NO.2

大日本帝國政府

日本商工省商務局長タル本官吉田悌二郎ハ別紙カ滿洲國政府康德五年（一九三八年）五月附滿洲國產業開發五ケ年計畫第貳部（改訂滿洲國產業開發五ケ年計畫裏領）ノ正確ナル謄本ナルコトヲ玆ニ認證スルモノナリ

昭和貳拾壹年六月貳拾五日

於日本東京

商工大臣 吉田悌二郎

IMT 447

2

NO,2

満洲国五ヶ年計画資料

第二編

滿洲產業開發五年計畫修正鑛工業部門計畫要綱

（康德五、五、滿洲國政府）

要旨

康德四年以降滿洲產業開發五年計畫ヲ樹立シ產業各部門ノ計畫的開發ヲ進メ來リタルトコロ其ノ第一年度ノ實績ニ徵シ且國際情勢ノ進展ニ應ジ當初ノ計畫ヲ更ニ念査シ特ニ鑛工業部門ニ付別紙ノ通積極的修正改訂ヲ加ヘ生產ノ目標ヲ擴大シ遂行ノ促進ヲ期シ又新ニ計畫種目ヲ追加シ日滿ノ提携協力ヲ更ニ密ニシ開發ニ要スベキ資金技術物資其ノ他ニ付檢討ヲ加ヘ其ノ確保ヲ圖リ計畫ノ堅實ナル實現ヲ期セントス

一、鐵鋼

第一要領

一、日本ニ於ケル鐵鋼需要ノ增加竝ニ國內建設事業ノ進行ニ對應セシムル爲資源ノ速急開發ヲ圖リ各社企業ノ可及的擴充ヲ期ス

二、第五年度設備目標ヲ修正シテ夫々左ノ通トス

1	銑鐵（代用ルツペ五〇萬瓲ヲ含ム）	四、八五〇千瓲
2	鋼塊（特殊鋼、鍛鑄鋼用鋼塊一六〇千瓲ヲ含ム）	三、五五〇千瓲
3	普通鋼材	一、七〇〇千瓲

4 特殊鋼材及鍛鑄鋼品
5 所要原鑛石
富鑛
貧鑛

三、鋼材ノ品種別内譯ハ有時ノ場合ニ於ケル單需充足ヲ顧慮シ左記割合ニ依ルモノトス

小形棒型	一七・七%	中板	八・一%	
線材	七・〇	薄板	八・一	
中形棒型	一〇・八	賦力板	四・三	
輕軌條	一〇・七	鋼管	五・四	
大形棒型	八・六	帶鐵	三・二	
重軌條	一〇・七	鍛鑄鋼品	三・八	
厚板		特殊鋼材	一・六	
		計	一〇〇・〇	

四、計畫完成後ノ對日供給目標ヲ左ノ通トス

1 銑鐵（低燐銑二四〇千瓲ヲ含ム） 一〇〇千瓲
2 鋼片 二、九九〇千瓲
尚鋼材約四〇〇千瓲ノ對支其他第三國輸出ヲ見込ム 一三、〇〇〇千瓲

五、第二年度以降所要資金總額概算

第二　開發目標竝所要資金

種別	單位	當初計畫生產目標	現在能力	修正計畫 生產目標	修正計畫 要廣充目標	第二年度以降所要資金（千圓）	備考
鐵鋼							
銑鐵	千瓲	二五三〇	八五〇	（四五〇〇）四〇〇〇	（三五〇〇）三一五〇	三三〇〇〇	
ルツペ	〃	（三〇〇）一	一	五〇〇	五〇〇		
鋼塊	〃	二一〇〇〇	五八〇	（三一五〇）五一〇〇	（三八九〇）五一〇〇	二六〇〇〇	
普通鋼材	〃	一五〇〇	四〇〇	（六四〇）一〇〇	（六四〇）一〇〇	二七五〇〇	
特殊鋼鑄鋼品	〃	一	一	一〇〇	一〇〇	一一八五〇〇	
鑛石	〃	一六一五四〇	七七〇八	二三九〇九〇	二三六八五	七二六〇〇〇	
計							

（第二年度以降所要資金千圓）　七二六、〇〇〇千圓

括弧内ノ數字ハ設備目標ヲ示ス

第三 需給目標

種別	單位	生産目標		輸出入見込	
		需要高		輸出入(一)	對日
鐵鋼					
銑鐵	千噸	四、五〇〇 (含ルツペ一)		一、五〇〇	一、五〇〇
		三、〇〇〇	内 鑄物用 二五〇 製鋼用二、七五〇	一、五〇〇	
鋼塊	〃	三、一六〇		一、二八五	鋼片一、一二五
普通鋼材	〃	一、四〇〇		四〇〇	〇
特殊鋼鑄鍛鋼品	〃	一〇〇		一	一

二、石炭

第一 要領

一、石炭ハ鐵鋼、石炭液化、電力等ノ開發ヲ始メ各種産業ノ勃興ニ對應セシメ且對日供給確保ヲ期スル爲各礦山ノ炭質、炭量ニ應ジ運炭其ノ他ノ利便ヲ考慮ニ入レ開發ノ促進ヲ圖ル

二、第五年度生産目標ヲ增大シテ約三、五〇〇萬瓲ノ開發ヲ期ス

滿炭關係（一五、〇〇〇）	一八、〇五〇千瓲	四、一〇〇千瓲
滿鐵關係（一〇、六六〇）	一〇、三六〇千瓲	四、七〇〇千瓲
本溪湖（一、五〇〇）	二、七〇〇千瓲	五、五〇〇千瓲
其ノ他	三、八〇〇千瓲	六、〇〇〇千瓲
合計（二七、一六〇）	三四、九一〇千瓲	

（註）括弧内ハ當初計畫目標

三、各年次別對日供給目標ハ左ノ通トス

昭和十三年	四、一〇〇千瓲	
康德五年	四、七〇〇千瓲	
〃六年	五、五〇〇千瓲	
〃七年	六、〇〇〇千瓲	
〃八年	尚九年度以降ハ右炭液化ノ企業化ニ伴ヒ對日供給ヲ確保スル爲ニハ引續キ生産力ノ擴充ヲ要ス	

四、第二年度以降所要資金概算

第二　開發目標竝所要資金　三一五、〇〇〇千圓

種別	單位	生産初計畫目標	現在能力（實績）	修正計畫 生産目標	修正計畫 賣渡目標	第二年度以降所要資金（圓）
石炭	千噸	二七二〇	一四六四八	三四九一〇	二〇四七二	三一五〇〇〇
滿洲炭	〃	一五〇〇〇	三七四〇	一八〇五〇	一五三一〇	三三〇〇〇〇
滿本鐵	〃	一〇六六〇	一〇五七〇	一〇三六〇	一	二〇〇〇
其ノ他湖	〃	六五〇〇	七六八	二七〇〇	八九三二	二九〇〇〇
他	〃	一	五七〇	二八〇〇	二三三〇	五四〇〇〇

第三　需給目標

種別		康德八年	康德五年
生産目標		三一一〇〇（三八〇〇）	一七四八〇〇（七四〇〇）
需要	滿洲炭	一八〇五〇	五四九〇
	本鐵	一〇三六〇	一〇六九〇
	其ノ湖	二七〇〇	八三〇〇
	他	（三八〇〇）	（七〇〇）
	高	三三四二五	一七一四〇
液製		八一〇〇	二二八〇
化潮		四五七〇	六五

對日輸出	鐵道一般用其他	
	山元	二、八五〇
	船舶	八、〇六二
	發電用	一、七四三
	其他	一、一〇〇
六、〇〇〇		
		二、二五〇
		六、七九五
		八五〇
		八〇〇
四、一〇〇		

三、液體燃料

第一要領

一、液體燃料ハ液化油、頁岩油共當初計畫中其ノ後ノ調査研究ニ伴ヒ一部ハ變更シ新ニ適當ナル資源ノ開發ヲ考慮シ夫々ノ礦質礦量ニ應ジテ適宜ノ處理方法ヲ考究スル等極力之ガ開發ノ具體化促進ヲ期ス

二、石炭液化ハ既定計畫中撫順、錦州及四平街（西安）ノ促進擴張ヲ圖ルト共ニ間島ハ之ヲ變更シ吉林（扶蘭）及依蘭ヲ加ヘ年產約一七〇萬瓲（揮發油一六一萬瓲重油二五萬瓲）目標トス

尚撫順ニ高瓦斯、骸炭爐瓦斯ノ合成處理（六萬瓲）ヲ講ズ

1 撫順 三五〇千瓲

內直接液化 五〇千瓲

合成法 二〇〇千瓲

タール水素添加

2錦　州（阜新炭）

内合成法　一〇〇千瓲

低溫乾溜法　七〇〇千瓲

直接法　三〇〇千瓲

3四平街、西安（西安炭）

内低溫乾溜法　二〇〇千瓲

合成法　二〇〇千瓲

4吉　林（蘭炭）

直接法　一六〇千瓲

合成法　六〇千瓲

5依　蘭　一〇〇千瓲

合成法及直接法　三〇〇千瓲

三、貢岩油ハ撫順ハ概ネ既定計畫通トシ三姓ハ之ヲ中止シテ新ニ羅子溝ノ開發ヲ加ヘ一五〇千瓲

產約六五萬瓲（揮發油七萬廾、重油五〇萬瓲）一五〇千瓲

四、計畫完成後ノ對日供給目標左ノ通トス　一五〇千瓲

揮發油　二〇〇千瓲

重油　四五三千廾

七一〇千瓲

年

五、酒精ハ當初計畫ニ基キ開發ヲ期ス

六、第二年度以降所要資金總額概算

第二　開發目標竝所要資金

種別	單位	當初計畫生產目標	現在能力	修正計畫生產目標第二年度以降所要資金
石炭液化（撫順工場）	千瓲	八〇〇	一	九三六、〇〇〇
撫順	〃	二五〇	（一〇）	三五〇
錦州	〃	三〇〇	一	七〇〇
四平街	〃	一〇〇	（一〇）	一六〇
西安	〃	一五〇	一	〇
間島	〃	一	一	三〇〇
吉林	〃	一	一	二〇〇
依蘭	〃	一	一	六〇
本溪湖（製品）鞍山	〃	一	一	一、六七〇
發揮油	千竡	六一五	一	二五〇
重油	千瓲	一〇〇	一	七七
其ノ他	〃	一	一	一

一、〇五六、〇〇〇千圓

頁岩油	千噸	八〇〇	一	六五〇	一〇五〇〇〇
三撫（工場）順	〃	五〇〇	一四五	五〇〇	五五〇〇〇
三撫（工場）姓	〃	三〇〇	一	〇	〇
羅子溝	〃	一	一	一五〇	五〇〇〇
揮發油（製品）	千坪	一七六	二四	〇七〇	一
重油	千噸	三三一	六六	五〇〇	
合計					一〇四一〇〇〇
揮發油	千坪	七九一	一	〇四七一	一
重油	千噸	四三一	一	七五〇	一
酒精	噸	五六六九〇	一五〇八〇	五六六九〇	一五〇〇〇

第三需給目標

種別	單位	生產目標	需要高	輸出入（一）	對日見込
重揮發油	千坪	一七七〇	二五七	一五一三	一五一三
重油	千噸	六三七	五二	七一〇	七一〇

	其ノ他	千瓲	一三〇			
酒精	其ノ他	千瓲	五六、六九〇	五四、〇〇〇	（繰越高）八、〇九〇	一

備考

1 生産目標中滿石生産左ノ通加算

揮發油（三〇）、重油（一二）、其ノ他（五三）

2 其ノ他ハ燈油、輕油、機械油

四、アルミニウム、マグネシウム

第一要領

一、アルミニウムハ低廉豐富ナル電力ノ開發ニ伴ヒ國内及北支ノ礬土頁岩ヲ利用シテ年産三萬瓲ヲ目標ニ生産力ノ擴充ヲ期シ日滿ノ需要增加ニ備フ

二、アルミニウムノ撫順工場（現在四千瓲）ハ一萬瓲ニ擴張シ他ハ鴨綠江水電ヲ利用シテ安東ニ二萬瓲（乾式及濕式夫々一萬瓲ノ豫定）ノ生産設備ヲ新設ス

三、マグネシウムハ大石橋附近ノマグネサイトヲ利用シテ年産約三千瓲ヲ目標ニ之ガ開發ヲ促進ス

尚苦汁ノ利用法ニ付テモ併セテ考究スルモノトス

四、第二年度以降所要資金總額概算

八七、〇〇〇千圓

第三　需給目標

種別	單位	生産目標	需要高	輸出入見込 輸出入(一)	輸出入見込 對日
アルミニウム	瓲	三〇、〇〇〇	一八、三七五	一一、六二五	一一、六二五
マグネシウム	〃	三、〇〇〇	三、〇〇〇	〇	〇

五、鉛、亞鉛、銅

第一　要領

一、鉛ハ需要ノ增大ニ對應シテ生産目標ヲ金屬鉛約二萬九千瓲トシ現在稼行中ノ楊家杖子ノ外ニ青城子、天寶山其ノ他ノ開發ヲ促進ス

1 楊家杖子　一九、四一〇瓲
2 青城子　三、五三〇瓲
3 天寶山　三、六一〇瓲
4 其ノ他　二、〇五〇瓲
合計　二八、六〇〇瓲

二、亞鉛ハ將來國內自給ヲ目途トシテ生産目標ヲ金屬亞鉛約五萬瓲トシ楊家杖子ノ外ニ天寶山其ノ他ノ開發ヲ促進ス

三、銅ハ可及的輸入ヲ防遏スル爲年産三千噸ヲ目標ニ天寶山其ノ他ノ開發ヲ圖ル

3 楊家杖子 三六、五九〇噸
2 天寶山 五、〇五〇噸
1 其ノ他 八、〇二〇噸
合計 四九、六六〇噸

1 天寶山 一、二四〇噸
2 石咀子 七三〇噸
3 馬鹿溝 三〇〇噸
4 盤嶺 三六〇噸
5 其ノ他 三六〇噸
合計 二、九九〇噸

四、第五年度鉛ノ對日供給目標ハ約二萬噸トス

五、第二年度以降所要資金總額概算

第二開發目標竝所要資金 二九、三〇〇千圓

種別	単位	当初計画生産目標	現在能力(最高実績)	修正計画		第二年度以降所要量(予備)
				生産目標	要調定目標	
鉛	噸	一〇、〇〇〇	八、一一〇	一〇、〇〇〇	一〇、〇〇〇	一〇、〇〇〇
亜鉛	〃	六、六〇〇	八、六三三	五、〇〇〇	四、六三三	
銅	〃	〇	〇	三、〇〇〇	三、〇〇〇	六、三〇〇
合計						一六、三〇〇

備考　現在能力ハ夫々当初ノ全量ニ基ク

第三　需給目標

種別	単位	生産目標	需要高	輸出入見込	
				輸出入(一)	期日
鉛	噸	三九、〇〇〇	一一、〇〇〇	一一、〇〇〇	一一、〇〇〇
亜鉛	〃	五、〇〇〇	四、一〇〇	(一) 四、一〇〇	五、〇〇〇
銅	〃	三、〇〇〇(五、〇〇〇)	一一、〇〇〇	(一) 一、三一〇〇	一

備考

1　亞鉛ハ精鍊設備ノ設置ニ至ル迄ハ精鑛ニテ日本ニ供給

2　銅ノ生產目標中括弧內ハ金鑛精鍊廠ノ古銅處理ニ依ル再生產額

六、鹽、曹達灰

第一要領

一、鹽ハ日滿ノ工業用鹽ノ需要增加ニ對應シ第五年度ノ生產目標ヲ約九一萬噸トシテ既設一般鹽田ノ改良ト滿洲鹽業ニ依ル新規鹽田ノ築造ヲ促進ス

尙新規鹽田熟成後（九年後）ノ生產目標ハ一四〇萬噸トス

1　既設一般鹽田　五八八千噸

（一四、一〇〇町歩ノ外改良施設ニ依リ一、四〇〇町歩增）

2　滿洲鹽業　三二一千噸

（八一四千噸）

（九年後）

合計　九一〇千噸

（一、四〇〇千噸）

二、曹達灰ハ當初計畫ニ基キ年產七萬二千噸ニ擴充ス

（現行開田計畫三、五五〇町歩ノ外計畫期間中新規ニ一五、〇〇〇町歩築造）

三、第五年度對日供給目標ヲ左ノ通トス

第三 需給目標

鹽
曹達灰

尚第九年度以降鹽ハ七〇萬乃至一〇〇萬噸ノ對日供給ヲ可能トス
四、第二年度以降所要資金總額概算
二三、五〇〇千圓

四五〇千噸
二五千噸

第二 開發目標竝所要資金

種別	單位	當初計畫 生產目標	修正計畫 生產目標	修正計畫 要增充目標	第二年度以降所要資金（千圓）
鹽	噸	九七五八八	三三六八四	九一〇五二〇	二三、五〇〇
曹達灰	〃	七五〇〇〇	一七〇〇〇	七五六〇〇	一、七〇〇
計				七七六〇〇	二五、二〇〇

七、化學肥料

第一要領

一、日滿支ニ亘ル肥料需要增ノ趨勢ニ應ジ且有事ノ際ヲ考慮シ化學肥料工業ノ確立ヲ期ス

二、生產目標ヘ窒素肥料年產約四五萬噸トス

三、第二年度以降所要資金總額概算

種別		單位	生產目標	需要高	輸出入見込
鹽	工業用	噸	九一、五二〇	一三六、〇〇〇	輸出入(一一)對日 四五、〇〇〇 四五、〇〇〇
	食料用	〃		二九二、七五〇	
曹達灰		〃	七二、〇〇〇	四七一六〇	二四、八四〇 二四、八四〇

1 滿洲化學 二四〇千噸

2 各製鐵業關產 六二千噸

3 頁岩油 〃 一四五千噸

4 瓦斯工場附設 六、七千噸

合計 四五三千噸

備考

窒素固定法ニ依ル化學肥料ノ製造ニ付テハ内外需給ノ狀勢及今後ニ於ケル國内ノ生産諸條件ヲ考慮シ之ガ實現方別途考究スルモノトス

第二　開發目標竝所要資金

種別	單位	當初計畫生産目標	現在能力（康四實績）	修正計畫 生産目標	修正計畫 要擴充目標	第二年度以降所要資金（百圓）
化學肥料	瓲	一	二〇二九三〇	四五二九九〇	二五一〇六〇	一
滿洲化學	〃	一	一五二〇〇〇	二四〇〇〇〇	八七〇〇〇	一
各製鐵業副業	〃	一	一二四六〇	六二三五〇	四八七九〇	一
頁岩油	〃	一	二〇〇〇〇	一四五〇〇〇	一一五〇〇〇	一
瓦斯工場附設	〃	一	六四七〇	六七四〇	二七〇	一

第三　需給目標

種別	單位	生産目標	需要高	輸出入見込		
化學肥料	千瓲	四五三	二〇〇	輸出入（一）	二五〇	一五〇

八、パルプ

第一　要　領

日本ノパルプ需要ノ急増ニ對應シテ大小興安嶺ノ木材パルプノ速急開發ヲ圖ルノ外葦及豆稈パルプノ增産ヲ期ス

尚濶葉樹、柳、高粱稈其ノ他ノパルプ資源ノ利用ニ付併セテ考究スルモノトス

一、計畫完成後ノ生産目標ハ人絹用十五萬、製紙用二十五萬計年約四〇萬噸トス

1　木材パルプ	
東滿四社	三〇〇千噸
鴨綠江製紙	六〇千噸
大小興安嶺	一〇千噸
2　葦パルプ	二三〇千噸
3　豆稈パルプ	七〇千噸
合　計	三〇千噸
	四〇〇千噸

計畫完成後ノ對日供給目標ハ約三〇萬噸（新聞用紙トシテノ製品供給ヲ含ム）トス

二、第二年度以降所要資金總額概算　一九四、〇〇〇千圓

備　考

新ニ擴充スル製紙用パルプ設備ノ內相當部分ハグラウンドパルプトシ新聞用紙ノ生産ヲ爲スモノトス

第二一　開發目標竝所要資金

種別	單位	當初計畫生產目標	現在能力	修正計畫		第二年度以降所要資金(千圓)
				生產目標	要擴充目標	
パルプ	千噸	一二〇	七〇	四〇〇	三三〇	一九四、〇〇〇
木材パルプ	〃	一二〇	七〇	三〇〇	二三〇	一四四、〇〇〇
葦パルプ	〃	一	一	七〇	七〇	三五、〇〇〇
豆稈パルプ	〃	一	一	三〇	三〇	一五、〇〇〇

第三　需給目標

種別	單位	生產目標	需要高		輸出入見込	
					輸出入(一)	對日
人絹用	千噸	一五〇	一		一五〇	一五〇
製紙用	〃	二五〇	一〇〇		一五〇	一五〇
合計		四〇〇	一〇〇		三〇〇	三〇〇

九、金　領

第一　要請ニ即應シテ產金ノ積極的增大ヲ期シ砂金ニ付テハ概ネ當初計畫ニ基キ目標ノ達成ヲ促スト共ニ山金產出ノ計畫的增進ヲ圖ル

二、生產目標ハ五ケ年累計三億四百萬圓（八〇千瓲）トス

1 砂金（五三千瓲）　二〇一・一百萬圓

2 山金（二七千瓲）　一〇二・八百萬圓

三、第二年度以降所要資金總額概算　一二〇・〇〇〇千圓

第二　開發目標竝所要資金

種別	單位	當初計畫生產目標（五ケ年累計）	修正計畫生產目標（五ケ年累計）	現在能力（康德實績）	第二年度以降所要資金（千圓）
金	千圓	二一二、〇〇〇	三〇四、〇一二	一三、一〇八	一二〇、〇〇〇
砂金	〃	一	二〇七、一九〇	一	六二、〇〇〇
黑河	〃	一	八五、八九〇	一	一
佳斯	〃	一	九四、九三〇	一	一

種別	千圓							
山一金属	〃	一	一	一	一	一	一	一
金鑛精錬廠	〃	一	一	一	一	一	一	一
延和	〃	一	一	一	一	一	一	一
滿洲鑛業	〃	一	一	一	一	一	一	一
熱河	〃	一	一	一	一	一	一	一
開山屯	〃	一	一	一	一	一	一	一
其他	〃	一	一	一	一	一	一	一

十、工作機械
十一、自動車
十二、飛行機

第一要領

一、工作機械ハ年産五千臺ヲ目標トシテ生産力ノ擴充ヲ期ス

旋盤　三、二〇〇臺
平削盤　一、〇〇〇臺

鑽孔機類　三〇〇臺
成形機　一〇〇臺
旋刃機　九〇〇臺
研磨機其他　四〇〇臺
計　五〇〇〇臺

備考　價格ニ換算スル場合ニ於テハ日本側ト同一ノ單價ニ依ルモノトス

二、自動車ハ同和自動車ノ現在施設ヲ整備スルノ外年産五萬臺ヲ目標トシテ根本的ニ製造工業ノ確立ヲ圖ルモノトスルモ現下ノ事態ニ於テ差當リ設備能力約三萬臺ヲ目途トシ之ガ企業化ノ促進ヲ期ス

三、飛行機ハ滿航工廠ノ分離擴充ヲ圖ルノ外年産約五千臺ヲ目標トシテ基本的製造工業ノ確立ヲ促ス

四、自動車及飛行機ノ基本的企業化ノ爲ニハ第三國ノ投資及技術ノ輸入ヲ考慮ス

五、第二年度以降所要資金總額概算　六九五、〇〇〇千圓

第二　開發目標竝所要資金

種別	單位	生產目標	現在能力	修正計畫 生產目標	修正計畫 要擴充目標	第二年度以降所要資金（千圓）
工作機械	臺	一	一	五、〇〇〇	五、〇〇〇	一五、〇〇〇

十三、電力

第一要領

一、一般電燈ノ普及竝ニ各種工業ノ勃興ヲ促ス爲發送變電設備ノ擴充ヲ圖ル

二、發電設備ハ第五年度容量二五七萬キロワットヲ目標トス

火力（八一四千KW）　一、三三〇千KW

水力（五九〇千〃）　一、二四〇千〃

（註）括弧内ハ當初計畫

三、水力發電ハ既ニ建設ニ着手中ノ第二松花江、鴨綠江及鏡泊湖ノ促進擴充ヲ圖ルノ外新ニ鴨綠江本支流ノ開發ヲ考慮ス

第二松花江　六〇〇千KW

鴨綠江（水豐）　三六〇千〃

牡丹江（鏡泊湖）　八〇千〃

	自動車	〃	四、〇〇〇		
	飛行機	〃	三四〇		
	計				
		一	五〇、〇〇〇	差當リ三〇、〇〇〇	
		一	五、〇〇〇	五、〇〇〇	
				差當リ一八〇、〇〇〇	
				五〇〇、〇〇〇	
				六九五、〇〇〇	

鳴綠江本支流

計

四送電設備、直長四、四一二粁、變電設備、容量二、四七九千KVA、目標トス

五第二年度以降所要資金總額概算　四九五、〇〇〇千圓

第二　開發目標並所要資金

種別	單位	生產初計畫目標	現在能力	修正計畫 生產目標	修正計畫 要擴充目標	第二年以降所要資金（千圓）
發電	KW	二四〇、〇〇〇	一〇〇、〇〇〇	二四〇、〇〇〇	一四〇、〇〇〇	一四〇、〇〇〇
水力	〃	一〇〇、〇〇〇	—	一〇〇、〇〇〇	一〇〇、〇〇〇	三三、〇〇〇
火力	〃	一四〇、〇〇〇	一〇〇、〇〇〇	一四〇、〇〇〇	四〇、〇〇〇	一一〇、〇〇〇
送電設備	KM	一八四	四〇	一四四	一四四	四〇、〇〇〇
變容電設量備	千KVA	二九六	七一	二四九	二〇〇	八〇、〇〇〇
計	千圓					四九五、〇〇〇

第三 需給目標

種別	單位	生產目標	需要量（最高負荷）		
			第五年（康八）	第六年（九）	
電力	千KW	二、五七〇	一、一六三	一、六三九	
（地域）	〃	一	一、一六三	一、六三九	
南滿	〃	一	八二三	一、一〇九	
北滿	〃	一	一五二	三三一	
東滿其他	〃	一	一八八	二九九	
（需要先）	〃	一	一、一六三	一、六三九	
一般電燈	〃	一	三一八	三五四	
鐵鋼	〃	一	三九七	四六六	
輕金屬非鐵金屬	〃	一	一、八九七	二六一	
液體燃料	〃	一	一五七	三〇五	
化學工業	〃	一	一〇四	二五三	

十四、兵器車輛

第一要領

兵器及車輛ハ別途細部ニ付研究スルモノトス

第二 開發目標竝所要資金 別途細部ニ付研究スルモノトス

種別	單位	當初計畫 生産目標	現在能力	修正計畫 生産目標	修正計畫 要擴充目標	第二年度以降所要資金(千圓)
兵器		現在能力ノ約五倍	一	一	一	一、〇〇〇、〇〇〇
車輛	輛	一	一	一	一	二八、〇〇〇
機關車	〃	一、六六四（八五）	一	一	一	
客貨車	〃	一、八四九（二、一五〇）	一	一	一	

備考 車輛ノ當初計畫欄中括弧内ハ新造能力

十五、石綿、畜肉加工

第一要領

石綿及畜肉加工ハ概ネ當初計畫ニ基キ開發ヲ期ス

第二一　開發目標竝所要資金

種別	單位	當初計畫生產目標	現在能力	修正計畫 生產目標	修正計畫 要擴充目標	第二年度以降所要資金（千圓）
石綿	噸	五、〇〇〇	一〇〇	五、〇〇〇	四、九〇〇	二、五〇〇
畜肉加工	千噸	五〇	一	一	一	九、〇〇〇

「附」一覧表

品目	單位	生產目標 當初計畫	現在能力	修正計畫	第二年度以降 所要資金	記事
鐵鋼	千噸	二、五三〇	八五〇	（四、三五〇）四、〇〇〇	七、二六〇、〇〇〇	
銑鐵	千噸	二、五三〇	八五〇	（四、三五〇）四、〇〇〇	三、二〇、〇〇〇	
ルツペ	〃	（三〇〇）	一	五〇〇		
銅塊	〃	二、〇〇〇	五八〇	（三、五五〇）三、一六〇	三、六〇、〇〇〇	
銅材	〃	一、五〇〇	四〇〇	（一、七〇〇）一、四〇〇		

特殊鋼	千瓲	ー	ー	一〇〇	二七、五〇〇	
鐵鑛石	〃	富 一、五九〇 貧 六、一五〇	七〇九 一、七六八	二、九九〇 一三、〇〇〇	一一八、五〇〇	
石炭	〃	二七、一六〇	一四、六四八	三四、九一〇	三一五、〇〇〇	
滿炭關係	〃	一五、〇〇〇	二、七四〇	一八、〇五〇	二三〇、〇〇〇	
滿鐵關係	〃	一〇、六六〇	一〇、五七〇	一〇、三六〇	二、〇〇〇	
本溪湖	〃	一、五〇〇	七九六	二、七〇〇	二九、〇〇〇	
其ノ他	〃	ー	（五七〇）	（三、八〇〇）	五四、〇〇〇	
液體燃料					一、〇五六、〇〇〇	
石炭液化	千瓲	八〇〇	ー	一、七七〇	九三六、〇〇〇	
（工場）						
撫順	〃	二五〇	（一〇）	三五〇	ー	
錦州	〃	三〇〇	ー	七〇〇	ー	
四平街 西安		一〇〇	（一〇）	一六〇	ー	
間島	〃	ー	ー	ー	ー	

吉林	千噸	—	—	三00	—	
鐵嶺	〃	—	—	二00	—	
撫順	〃	—	—	六0	—	
（製品）						
揮發油	千噸	六二	—	一六四0	—	
重油	〃	一00	—	二三0	—	
其他	〃	—	—	四四	—	
頁岩油	〃	八00	—	六三0	一0五000	
（工場）						
撫順	千噸	五00	一四五	五00	五五000	
三姓	〃	三00	—	—	—	
龍子溝	〃	—	—	一三0	三C000	
（製品）						
揮發油	千斤	一七六	三四	七0	—	

同　　左	千　噸	三四一	六六	三〇〇		
中　　古					一、〇三一、〇〇〇	
屑　鉄　等	千　本	一二千	—	〇三千一	—	
同　　左	千　噸	三四一	—	一四〇	—	
屑　　鉄	噸	四六六二〇	一、〇六〇	四六六二〇	一、〇〇〇	
ア　ル　ミ　ニ　ウ　ム	〃	一一、〇〇〇	(三、〇〇〇)〃	三、〇〇〇	九、〇〇〇	
マ　グ　ネ　シ　ユ　ム	〃	三〇〇	—	三、〇〇〇	九〇〇〇	
鉛	〃	一、三〇〇	一、一一〇	一、九〇〇	二、三三〇	
亜　　鉛	〃	六六〇〇	一、六三三	三、〇〇〇	一、八三三〇	
銅	〃	—	—	一、〇〇〇	六三〇〇	
鋼	〃	一、四三三、六六	三三三、六六三	(九、〇三一〇 輸出後 一、〇〇一、〇〇〇)	三、〇〇〇	
貴　金　属	〃	一、〇〇〇	一、〇〇〇	一、〇〇〇	一、〇〇	
化　学　肥　料	千　噸	—	一一〇	三三		

ベース	千圓	一一〇	四〇	五〇〇	一四五〇〇〇	
ベース基本	千圓	一一〇	四〇	四〇〇	一五五〇〇〇	
ベース	〃	—	—	四〇	四四〇〇〇	
ベース回転	〃	—	—	四〇	一四〇〇〇	
合	千圓	一一四〇〇〇（繰越）	一一四〇六	四五〇一四	一四〇〇〇	
工業業務	圓	—	—	四〇〇〇	一四〇〇〇	
自動車	〃	五〇〇〇	—	三四〇〇〇	一六〇〇〇	
飛行機	〃	三五〇	一	五四〇〇	五〇〇〇〇	
電力					四五四〇〇〇	
發電設備	KW	一四〇五四〇〇	五五五一〇〇	一四四四四四四	三四四〇〇〇	
水力	〃	五四〇〇〇	一	一四五〇〇〇	四三五〇〇〇	
火力	〃	八五六〇〇	五五五一〇〇	一四四四四四四	一一四〇〇〇	
送電設備	KM	一四五一〇	一三〇	五四一三	七六〇〇〇	

設備名称	単位	数量	単価	金額	備考
石油	基	1,000	100	100,000	
油圧工具	千個	10	-	5,000	
車両	両			15,000	
発電車	〃	1台(100kVA)	-	-	
給油車	〃	1台(10kl)	-	-	
兵器		現在能力、約有	-	-	100,000
合計					315,000

IMT 447

一、所要資金額（第二年度以降）―第一表參照

（康德五年 滿洲國政府）

滿洲產業開發五年計畫修正資金計畫要綱

備工業部門（備考一）

原計劃　一、五〇〇、〇〇〇千圓

修正計劃　三、八八〇、三〇〇、〃

增加額　二、三八〇、三〇〇、〃

計畫全體（備考二）

二、五八二、五〇〇千圓

四、九六二、八〇〇、〃

二、三八〇、三〇〇、〃

備考

（一）原計劃鑛工業部門五箇年間所要資金一、六三八、五〇〇千圓ヲ差引第二年度以降所要額一、五〇〇、〇〇〇千圓

（二）原計劃全體五箇年間所要資金二、九〇五、五〇〇千圓ヲ差引第二年度以降所要額二、五八二、五〇〇千圓

二、所要資金放出先國別豫想

三、

	鑛工業部門	總額ニ對スル割合	計劃全體	總額ニ對スル割合
所要資金總額	三、八八〇、三〇〇千圓	100%	四、九六三、八〇〇千圓	100%
國內支拂	一、三六四、九〇〇千圓	35%	二、一四一、四〇〇千圓	43%
日本支拂	二、五八四、九〇〇、	65%	二、四六八、九〇〇、	50%
第三國支拂	一、二三〇、五〇〇、	32%	一、三五三、五〇〇、	27%

所要資金總額四十九億六千萬圓ノ支拂先ハ右ノ如ク圓內四三%日本三〇%第三國二七%ニシテ第三國支拂額ハ十三億五千萬圓、之ヲ原計畫ニ依ル第三國支拂見込額約五億圓ニ比シ約八億五千萬圓ノ增加ナリ。

尙鑛工業部門ノ支拂先ニ付テノミ見ルニ國內、日本、第三國各三分ノ一宛ニ當レリ。

三、資金調達計畫

(イ) 日圓資金ノ調達ヲ要スルモノ（第二表參照）

所要資金中直接間接日本ニ支拂ハルル資金額ヨリ五年計畫生產資材ノ對日輸出ニ依リ滿洲ガ獲得スベキ日圓資金ヲ控除シタルモノヲ目標トシ日本ニ於テ資金ヲ調達スルモノト

シ此ノ額

鑛工業部門　約　一、六九〇、〇〇〇千圓
其ノ他　約　六二〇、〇〇〇、
計　二、三一〇、〇〇〇、

尚外貨資金ノ調達方法トシテ現行日滿間爲替協定ニ依ル滿洲國割當額六割ヲ九割ニ引上ゲ之ニ依リ外貨四億圓ヲ獲得スルコトトナレバ反面同額ノ金圓資金ヲ別ニ必要トス

(ロ) 外貨資金ノ調達ヲ要スルモノ

所要資金中對策第三國支拂額ハ前述ノ如ク約十三億五千圓ニシテ之ニ對シ滿洲國ガ現行日滿間爲替協定ノ下ニ於テ豫定シ得ル爲替資金及今後ノ貿易改善ニ依リ增加スル爲替資金ハ新產金ヲ併セテ約六億一千萬圓ニシテ差引七億四千萬圓ヲ不足スル而シテ之ガ調達方法ハ後述四、爲替計畫ノ(四)ニ記載セルトコロニ依ルモノトス。　約　一四〇、〇〇〇千圓

(ハ)國內資金ニ依ルモノ

所要資金總額ヨリ前二號ノ金額ヲ差引キタル資金ハ國內ニ於テ調達スベキ資金ニシテ此ノ額　約　一、九一〇、〇〇〇千圓

四、爲替計畫

(一) 支拂額

(イ) 鑛工業關係直接第三國支拂額　一、三三〇、〇〇〇千圓
(ロ) 交通通信農畜移民關係第三國支拂　一、三五〇、〇〇〇、
計

(三) 支拂資金
(イ) 爲替協定ニ依ル六割割當額中ヨリ振當テ得ル額　一四〇、〇〇〇千圓
康德五年度爲替計畫ニ於テ爲替協定ニ依ル六割割當額中ヨリ二千五百圓ヲ五年計畫資材ノ輸入代金ニ振當ツルコトニ計劃シオルヲ以テ此ノ額ノ四箇年分ヲ計算ス　一二〇、〇〇〇、
(ロ) 新産金　三〇〇、〇〇〇千圓
修正五年計畫ニ於テ第二年度以降四箇年間ニ合計三億圓ノ産金ヲ見込ミオルヲ以テ之ヲ全部輸出スルモノト豫定ス
(ハ) 輸入抑制ニ依リ　五〇、〇〇〇千圓
(ニ) 輸出增進ニ依リ　一二〇、〇〇〇、
計　六一〇、〇〇〇、

(三) 差引不足　七四〇、〇〇〇、
(四) 不足額ニ對スル措置
(イ) 自動車、飛行機製造事業ニ關シ外資導入　三四〇、〇〇〇千圓
(ロ) 現行日滿間爲替協定ニ依ル滿洲國割當額六割ヲ九割ニ引上グルコトニ依リ　四〇〇、〇〇〇、

表

第十四〇〇〇号

第 1 部

[illegible]

	区域別		
	[illegible]	[illegible]	[illegible]
(1) 単位	千屯	千屯	千屯
[illegible]	四四六四〇〇	四六〇四〇〇	六二八〇〇〇
[illegible]	六六〇〇〇	六六六〇〇〇	一〇五六〇〇〇
石炭	一四六三〇〇	一六八三〇〇	三一六〇〇〇
電力	三四三〇〇〇	三四三〇〇〇	四九六〇〇〇
[illegible]	六九〇〇〇	一八〇〇〇	八六〇〇〇
ガソリン	三一〇〇〇	一六三〇〇〇	一九四〇〇〇
[illegible]	三六〇〇〇	—	三六〇〇〇
[illegible]	一五〇〇	—	一五〇〇

化学肥料	—	—	—
油脂加工	九000	—	九000
採金	八〇000	四〇000	一二〇000
鉛筆	六000	一〇000	一六000
銅	—	六四00	六四00
石綿	五00	一〇000	一〇五00
工作機械	—	一四000	一四000
車輛	一一〇000	—	一一〇000
自動車	一二〇000	一八〇000	一八〇000
飛行機	三〇000	四五〇000	五〇〇000
兵器	一〇〇000	—	一〇〇000
合計	一五〇〇000	二四六〇四00	三九六〇四00
(三)支那関係	六四二000	—	六四二000
(三)満洲・蒙古関係	四三一四00	—	四三一四00
合計	二五三八三四00	二四六〇四00	四九九八八00

第二表

資金計畫

	調達計畫					
	所要資金總額	國內資金		外貨資金		
		日圓資金				
鑛工業	三、八八〇、三〇〇千圓	一、六九〇、〇〇〇千圓		一、四五〇、三〇〇千圓		
交通通信	六四四、〇〇〇	六二〇、〇〇〇	(備考一)	四、〇〇〇千圓	(備考二)	
農畜移民	四三八、五〇〇	三三一、〇〇〇		一〇七、五〇〇		
合計	四九六、八〇〇	二、三一〇、〇〇〇		一、六六一、八〇〇		

備考

(一) 日圓資金二、三一〇、〇〇〇千圓ノ算出根據

(1) 所要資金中直接對日放出額 一、四六八、九〇〇千圓

(2) 滿洲內放出資金ノ間接對日流出額 一、〇七〇、七〇〇、

(3) 五年計畫ニ依ル生產品ノ對日輸出增加ニ依ル日圓資金ノ獲得額 △ 八一二、〇〇〇、

(4) 前號資金ノ間接對日還流額（獲得資金ノ半額） 四〇六、〇〇〇、

(5) 五年計畫關係對日配當及利拂額（平均年四分ノ割）

合計 一七三、六一二千圓

二、三〇七、二一二、

(三) 直接對第三國支拂額十三億五千萬圓ヨリ現行日滿間貿易協定ノ下ニ於テ六割ノ割當額中ヨリ五年計畫關係器材輸入代金ニ豫定シオル額康德五年度分三千五百萬圓ノ四箇年分一億四千萬圓、輸入抑制五千萬圓、輸出增加額一億二千萬圓及資產金三億圓ノ合計ヲ差引キタル額

滿洲產業開發五年計畫概括表以下ハ時間ノ關係無キ爲遲延

FOR REPRODUCTION

Document No.

2334

Translation Section No.

IV

Translated by: IWASE Uta
checked by H. TAMABE

I, SUZUKI Masakatsu, chief of Continental

Section, Economic Dept. Administrative Bureau of

Foreign Office hereby certify the attached document

"Five Years' Plan of Manchukuo" (2nd Volume) to

be authorized as true in every particular by the

~~Manchukuo~~ Govt. officials, although there is no

such official document kept in this office.

28th June, 1946 SHOWA 21

SUZUKI - Masakatsu,
Chief, Continental Section,
Economic Dept., Administrative
Bureau of Foreign Office

I, YOSHIDA Teijiro, Chief of Commercial Affairs Bureau of the Department of Commerce and Industry ~~Ministry~~, certify hereby that the attached document is the exact copy of "Five Years' Plan of ~~Manchukuo~~ MANCHOUKUO Industrial Development" Volume ~~No.~~ Volumen 2 dated May, 5th year of KOTOKU (1938). (~~Planning~~ Outline of Mining and Industry Plan based on the Revised Five Years Plan of Industrial Development of ~~Manchukuo~~ MANCHOUKUO).

25th June, ~~1946~~ SHOWA 21/1946/

at Tokyo, Japan.

YOSHIDA Teijiro

Chief of Commercial Affairs Bureau

Commerce & Industry Ministry

Materials of Five Years' Plan of Manchoukuo.

Volume. No. 2.

Planning Outline of Mining and Industrial Dept. based on the Revised Five Years Plan of Industrial Development of Manchoukuo.

(May. Fifth Year of KOTOKU. /1938/
Manchoukuo Govt.)

Summary.

Since the establishment of "the" Five Years' Plan of Manchoukuo Industrial Development" in the 4th year /1937/ of KŌTOKU, the systematic development has been pursuing in every Industrial branch, but on inspecting the actual results gained in the first fiscal

year, and in order to meet with the international
conditions so far developed, it is found necessary to
make a more particular investigation on the original
scheme, especially on the mining and industrial line,
~~Moderate revision should be given, so as to~~ enlarge
~~the productive~~ figure, to hasten the progress of
factoring, and further to item of industrial program
and find the close cooperation
In general, for the common interest of Japan and
~~Manchoukuo~~, the ~~technics~~, resources, etc. ~~each~~
required for the development of ~~both countries respect-~~
~~ively should be~~ carefully investigated and secured
and look forward to
for the actual realization of this plan.

I. Iron and Steel.

A. Summary.

A/. In order to meet with the increase of demand in iron and steel in Japan as well as the progress of the constructive work in ~~Manchouko~~ Manchuria, ~~it is suggested~~ the immediate development of the necessary resources, together with the expansion of the enterprises of each company ~~should be expanded~~ at the earliest possible opportunity is expected.

B. The figure of equipments ~~on the 5th fiscal year~~ will be revised as follows:

1. Pig Iron. (Including 500,000 tons of substitute Bloom Steel ( ) . 4,850,000 tons.

2. Steel Ingot (Including 160,000 tons of Steel Ingot for Special Steel, and Cast Steel) 3,550,000 tons.

3. Ordinary Steel 1,700,000 tons.

4. Special Steel and Cast Steel goods 100,000 tons.

5. Ore required for above products.

Rich ore 2,990,000 tons.

Poor ore 13,000,000 tons.

03 Due consideration being made ~~on the sufficient~~ about adequate munitions at the time of emergency, ~~kinds~~ types of steel products will be classified at the following ratio.

Small bar	17.7	%
Wire	7.0	"
Medium ~~Middle~~ bar } Light rail }	10.8	"

Large ~~Big~~ bar		10.7 %
Heavy rail		8.6 %
Thick board		10.7 "
Medium ~~Middle~~ "		8.1 "
Thin "		8.1 "
Tin plate		4.3 "
Steel Tube		5.4 "
Hoop iron		3.2 "
Steel casting goods		3.8 "
Special Steel		1.6 "
Total	100.0	%

4D. after ~~the~~ completion of the plan, the amount of supplies ~~supply~~ to Japan to be allotted as follows:

X.a Pig iron (including 240,000 tons of pig iron containing which includes small amount of phosphor)
1,500,000 tons

Xb steel billet 1,125,000 tons
Also about
anticipating 400,000 tons of steel ~~for~~ export to China and other third powers is anticipated

(5) approximate figures of the total fund required in and after the 2nd fiscal year. ¥726,000,000.-

(B) Desired sum of development and the fund required thereof.

Classification.	Unit	Desired sum of production at the original plan	Present capacity	Revised Plan Production Sum	Revised Plan Expanded Sum	Required funds for ~~but~~ after the 2nd fiscal year (Unit ¥1,000)
Iron and Steel						
Pig Iron	1000 tons	2,530	850	(4,350) ¥4,000	(3.500) 3.150	320,000
~~Ingot~~ Bloom steel	" "	(200)	—	500	500	
Steel Ingot	" "	2,000	580	(3.550) 3.160	(2.970) ¥2.580	260,000
Ordinary steel	" "	1,500	400	(1.700) 1,400	(1.300) 1,000	
Special Steel, cast steel goods	" "	—	—	100	100	27.500
Ore	" "	Rich. 1.590. Poor. 6.140.	705 1.768	2.990 13.000	2285 11.232	118.500
Total			~~TOTAL~~			726.000

N.B Figures in the parenthesis show the ~~equipped~~ equipment ~~figures~~ quota.

B.C ~~Sum~~ of Demand and Supply

(Blom Steel)

Classification	Unit	Sum of Production	Amount of Demand Sum	Anticipated Sum of Import & Export	
				Import & Export (I)	To Japan
Iron and Steel					
Pig iron	1000 Tons	4,500 (Including 1,420 for)	3,000 For casting 250. For steel 2,750.	1,500	1,500
Steel Ingot	"	3,160	1,875	1,285	Steel billet " 1,125
Ordinary Steel	"	1,400	1,000	400	0
Special Steel -Steel Casting	"	100	100	—	—

II Coal

A Summary

A1. In order to meet with the requirements for industrial development in general, such as production of iron and steel, liquefaction of coal, electric power, etc. as well as to secure the sum for the supply to Japan, necessary measures will be taken for to be given to the hasty production

development, taking into consideration the quality and quantity of coal, ~~making~~ the coal to ~~be produced~~ from each coal mine, and also as to the transportation conveniences, etc. of the coal produced and other conditions.

2 &. ~~To increase~~ The ~~productive~~ amount of the 5th fiscal year up to 35,000,000 tons ~~more~~ about (will be increased) (present figure amount for)

~~Relating to~~ Manchuria Mining Co.	(15,000)	18,050,000 tons
South Manchuria Railway Co (Coal)	(10,660)	10,360,000 "
~~Hoshiko Mining Co~~ PENHSIHU	(1,500)	2,700,000 "
Miscellaneous		3,800,000 "
Total	(27,160)	34,910,000 tons

N.B. Figures in the parentheses show the figures of the original planning figures.

3 &. ~~Following is~~ The amount to be supplied to Japan each year is as follows:

SHOWA 13 (1938) 4,100,000 tons
KOTOKU 5

" KOTOKU 6 (1939) 4,700,000 tons
" 7 (1940) 5,500,000 tons
" 8 (1941) 6,000,000 tons

From (9th)
~~In and after the~~ year of KOTOKU 9 (1942), steady in-
with
crease of coal production ~~is~~ required to secure the nece-
supply to (with
ssary ~~coal~~ for Japan, ~~especially~~ on account of the enter-
the
prise of liquefaction of coal ~~to~~ materializing).

4 approximate figures of the required fund ~~in and~~ from
after the 2nd fiscal year ~~onward~~ ¥ 315,000,000.

Development figure aimed at and
4.B Desired sum of production and the fund required
thereof.

Production Expenses Necessary 12

classification	Unit	~~Decrease sum of production at the~~ original plan	Present capacity	Revised Plan		Required ~~fund in~~ for ~~after the~~ 2nd fiscal year
		Actual	Results of KOTOKU 4th year (1937)	Productive power	Exported sum	(Unit ¥1,000.-)
Coal	1000 tons	27,160	14,648	34,910	20,472	315,000
Manchuria Manshu Mining	"	15,000	2,740	18,050	15,310	230,000
South Manchuria Railway	"	10,660	10,570	10,360	—	2,000
PENHSIHU Tonkeiko	"	1,500	768	2,700	1,932	29,000
Miscellaneous	"	—	570	3,800	3,230	54,000

N.C ~~Sum of~~ Demand and Supply

Classification	8th year of KOTOKU (1941) ¥	5th year of KOTOKU (1938) ¥
(Amount ~~Sum~~ to be produced	31,110 (3,800)	17,480 (700)
Manchuria Manshu Mining	18,050	5,490
South Manchuria Railway Co.	10,360	10,690
~~Tonkeiko~~ PENHSIHU	2,700	1,300
Miscellaneous	(3,800)	(700)
(Amount Required ~~sum~~	32,425	17,140
Salt manufacturing	8,100	2,280
Coal liquefaction	4,570	65
Railway	2,850	2,250
general	8,062	6,795
coal mine	1,743	850
Ship fuel ~~and the others~~	1,100	800
Expart to Japan	6,000	4,100

III Liquid Fuel

A Summary.

1. From the very beginning of the industrial scheme, both the liquid oil and shell oil were planned for production, but for further investigation and study later, there has to be some alteration on such concerns, liquid fuel, both liquefied oil and shell oil) plan, while the development of new resources should be considered to meet the purpose, and according to the quality and quantity of each crude oil, proper treatment should be investigated, thus the development scheme of liquid fuel is on the way to materialize.

~~Liquefaction of Coal~~

2B. ~~Among~~ Of the already decided plans of the liquefaction of coal, Fushun, Kin-chow and Sanpingchieh (Hsiao Chinchow) projected plants should be extended, and such work to be hastened, while the Chientao works to be modified, ~~by~~ added adding Kirin (Shulan) and 9 Ian plants, ~~aiming~~ and aiming at the annual output of 1,700,000 tons (Volatile oil, 1,610,000 tons, and ~~camel~~ coal oil 250,000 tons).

At Anshun the provision is made to get the output of 60,000 tons of synthetic gas, ~~such as~~ High Furnace gas or ~~Coke~~ - Oven Gas and coke (60,000 tons)

A. Fushun	350,000 tons
Direct liquefaction	50,000 "
Synthetic method	200,000 "

adding Tar - Hydrogine . 100,000 tons.

b. ~~Kon-chon~~ CHINCHOU (~~Fushun~~ FOWSIN Coal) 700,000 "

Synthetic method 300,000 "

Low temperature carbonization 200,000 "

Direct method 200,000 "

c. Sengingchieh, Hsian (Hsian Coal) 160,000 tons.

Low temperature carbonization 60,000 "

Synthetic method 100,000 "

d. Kirin (Shulan Coal) 300,000 tons.

Direct method 150,000 "

Synthetic method 150,000 "

e. Ilan 200,000 tons.

Direct and Synthetic

&3 Shell Oil

Fushun Plant will work ~~just~~ in accordance with the pre-arranged programme, Sanhsing plant will be stopped, and ~~Tsukiko~~ /? / LAISHIKO /Phonetic/ will be newly added, and on ~~so as to get~~ the annual output of 650,000 tons aimed at.

~~Kilolitre~~ Crude

(Volatile Oil 70.000 ~~tons~~, ~~Crude~~ Oil 500,000 tons)

#4 When ~~the programme~~ completed, Amount scheduled ~~to~~ for supply to Japan, ~~until~~ after completion of project:

Volatile Oil: 1,453,000 Kilo Litres.

~~Crude~~ crude Oil: 710,000 tons.

#5 The production of alcohol will be carried on in accordance with the ~~programme~~ originally arranged plan.

#6 Approximate figures of the total fund required ~~in~~ for and ~~after~~ on the 2nd fiscal year ¥1,056,000,000

figure aimed at.

#B ~~Desired sum~~ of Development and the fund required ~~thereof~~.

Classification	Unit	Production figure Desired sum of ~~production at the~~ original plan	Present capacity	Production figure Revised Plan. ~~Productive~~ Sum	Required ~~funds~~ sum ~~for the~~ the 2nd fiscal year only
Liquefaction of Coal.	1000 tons	800	—	1.770	936,000
(Plant) ~~(Plant)~~ Fushun	"	250	(10)	350	—
Chinchow ~~Kin-chow~~	"	300.	—	700	—
Soupingchieh Ideian	"	100.	(10)	160	—
chientao	"	150	—	0	—
Kirin	"	—	—	300	—
9lan	"	—	—	200	—
Anshan	"	—	—	60	—
(Product) Volatile ~~(make)~~ Oil	1000 Kilo Litres	615	—	1.670	—
Crude ~~Cured~~ Oil	1000 tons	100	—	250	—
Miscellaneous	"	—	—	77	—
Shell Oil	"	800	—	650	105.000
(Plant) ~~(Plant)~~ Fushun	"	500	145	500	55,000
Sanhsing	"	300	—	0	0
Laohiko (Pkonatic)		—	—	150	50,000
(Product) Volatile ~~(make)~~ Oil	1000 Kilo Litres	176	24	70	—
Crude ~~Cured~~ Oil	1000 tons	331	66	500	
Total		~~TOTAL~~			1.041.000
Volatile Oil	1000 Kilo Litres	791	—	1.740	—
Crude ~~Good~~ Oil	1000 tons	431	—	750	
Alcohol	tons	56,690	15,080	56,690	15,000

3C ~~Sum of~~ Demand and Supply

classification	Unit	~~Sum of~~ Production (aimed at)	Amount of Demand ~~Sum~~	Anticipated ~~Sum of~~ Import & Export	
				Import & Export (I)	To Japan
Volatile Oil	1000 Kilo Litres	1.770	257	1,513	1.513
~~Crude~~ Crude Oil	1000 tons	762	52	710	710
Miscellaneous	1000 "	130	130	0	0
Alcohol	ton	56,690	54,000	~~Balance~~ Amount carried forward 8,090	—

N.B.

1. In the column "~~Demand~~ Sum of Production aimed at" in the above table, amount of oil produced by Manshu Petroleum Co. Sekiyu to be added as follows:-

Volatile Oil	(30)
~~Crude~~ Crude Oil	(12)
Miscellaneous	(53)

2. "Miscellaneous" includes Lamp oil, ~~Light~~ oil, & Machine oil.

IV Aluminium. Magnesium

A Summary.

A1. With the development of electric power which is obtained cheaply and abundantly ~~in this area~~, the production of aluminium is expected to meet the increasing demand of both Japan and Manchukuo, utilizing the annual output thereof to be 30,000 tons, ~~according~~ the alumina and shell ~~which is abundant~~ in Manchukuo and North China.

2B. The Fushun Aluminium plant (Present output 4,000 tons output at present) will be expanded to the capacity of 10,000 tons, and at Antung a new plant will be built with the

capacity of 20,000 tons output (~~each~~ Dry and Wet Methods, ~~To be~~ 10,000 tons ~~respectively~~ each), utilizing the hydraulic power of the Yalu-chiang

&3 ~~Aiming~~ utilizing the Magnesite obtainable around Tashihchiao, have an annual output of Magnesium is scheduled to ~~be~~ produced approximately 3,000 tons ~~annually~~.

The Utilization of bittern is also under investigation.

&4 Approximate figures of the total fund required in and after the 2nd fiscal year ¥87,000,000.

&C ~~Scene~~ of Demand and Supply

classification	Unit	~~Scene~~ of Production	Demand ~~Supply~~ aimed at Amount D	Anticipated ~~demand~~ Import & Export	Import & Export to Japan
Aluminium	ton	30,000	18,375	11,625	11,625
Magnesium	"	3,000	3,000	0	0

V Lead, zinc, copper.

A Summary:

Lead:

1.A In order to meet the increasing demand of lead, it is expected the production of metal lead to be raised to about 29,000 tons, and the large amount, besides (Plan) the Yangchiayoshi Mine, which is now in the way of working, the exploitation of Chingchengtzu and Tienpaoshan is also expected.

a	(1) Yangchiajoshi (Phoenix)	19,410 tons.
b	(2) Chingchengtzu	3,530 "
c	(3) Tienpaoshan	3,610 "
d	(4) Miscellaneous	2,050 "
	Total	28,600 tons.

B2 Zinc.

It is hoped (in future that the supply of) zinc will be self-
sufficient in the country. The export material, with the output of 50,000 tons of
metal zinc, for which production (besides Yang-
chiajoshi (Phoenix) the development of the Tienpaoshan mine etc.
will be promoted
is also expected.

(a) (1)	Yangchiajoshi (Phoenix)	36,590 tons
(b) (2)	Tienpaoshan	5,050 "
(c) (3)	Miscellaneous	8,020 "
	TOTAL	49,660 tons.

B3 Copper.

With the view to stop the import of copper as soon
as possible (a) 3,000 tons of annual output is aimed at
with the development of the Tienpaoshan mine, etc.

(a)	Tienpaoshan	1.240 tons
(b)	Shihkueitou	730 "
(3)	Machikou	300 "
(4)	Panlei (Phoulei)	360 "
(5)	Miscellaneous	360 "
	Total	2,990 tons

R4 The amount of lead supply to Japan ~~on~~ the 5th fiscal year to be appropimately 20,000 tons.

E5 Appropimate figures of the total fund required in the 1st and after the 2nd fiscal year ¥29,300,000.

2B ~~Desired sum of~~ Development and ~~the~~ fund required thereof

figure aimed at

Production figure

Expansion necessary

Classification	Unit	~~Desired sum of production at the~~ original plan	Present Capacity (actual result of 1939)	Revised Production ~~sum~~ aimed at	Plan ~~Expended sum~~	Required funds for and after the 2nd fiscal year (Unit ¥1,000.)
Lead	ton	12,400	1,220	29,000	27,780	23,000
Zinc	"	6,600	1,643	50,000	48,375	
Copper	"	0	0	3,000	3,000	6,300
Total			~~Total~~			29300

N.B.

Present capacity shows ~~includes~~ refined mineral (as converted into) finished metal respectively.

#C ~~Sum of~~ Demand and Supply

classification	Unit	~~Sum of~~ Production	Demand Sum	Anticipated ~~sum of~~ Import & Export (I)	Import & Export To Japan
Lead	ton	39.000	22.000	22.000	22.000
Zinc	"	50.000	4.200	(1) 4.200.	50.000
Copper	"	3,000 (5.800)	22.000	(1) 13.200	—

N.B.

1. Zinc will be ~~recorded~~ supplied to Japan as refined mineral until the refinery equipment is completed.

2: In the column of "Copper Production ~~sum~~" the ton figures in the parentheses show the amount of old copper re-manufactured at Gold Refinery Bureau. (the)

VI Salt, Soda ash

A Summary.

A/. In order to meet the increasing demand of salt for industrial use in Japan and Manchukuo, the production schedule is set at approximately 910,000 tons for the 5th fiscal year, and improvement of the existing general salt farm as well as the construction of new salt farm under the Manchukuo Salt Industry Co. will be undertaken to comply with this purpose.

When the new salt-farm is completely constructed, production is expected to be raised to 1,400,000 tons.

(X) Existing General salt-farms 588,000 tons.

(Besides the existing 14,100 cho-Bu, 1,400 cho-bu will be increased by improvements ~~to be~~ taken.)

(7) Maushu Salt Industry Co 321,000 tons
(after 9 years) (814,000 ")

(Besides the existing salt field schedule of 3,550 Chobu, ~~to be~~ 15,000 Chobu is constructed during the schedule period.) (will be ready)

Total 910,000 tons
(after 9 years) 1,400,000 "

B.2 As per the original schedule, Soda Ash is expected to produce annually 72,000 tons.

B.3 The amount to be supplied to Japan in the 5th fiscal year will be as follows:

Salt 450,000 tons
Soda Ash 25,000 "

From the 9th fiscal year onwards, 700,000 to 1,000,000 tons

of suit
to Japan will be possible.

figure of
#4 approximate total sum of the required fund from
~~and after~~ the 2nd fiscal year on, ¥23,500,000.

Development amount
#B ~~The amount to be~~ developed and the fund required
~~thereof~~.

Product figure
Expansion necessary

classification	Unit	~~Decreased sum of production~~ at the original plan.	Present Capacity (Actual result in 1937)	Revised Production ~~Sum~~ aimed at	Plan ~~Expanded sum~~	Required funds ~~for~~ ~~the~~ 2nd final year (Unit ¥1,000)
Salt	ton	973,588	333,684	910,520	576,836	22,000
				after Sal-farm is completed: 1,402,000		
Soda Ash	"	72,000	12,000	72,000	60,000	1,500
Total				~~Total~~		23,500

#C ~~Sum of~~ Demand and Supply

classification	Unit	~~Sum of~~ Production aimed at	Demand ~~Sum~~ aimed at	Anticipated ~~Sum of~~ Import & Export	
				Import & Export (I)	To Japan
Salt for industrial use	ton	910,520	136,000	~~450,000~~	450,000
For food			272,750		
Soda Ash	"	72,000	47,160	24,840	24,840

VII Chemical Manure.

A Summary.

A. In order to comply with the increasing demand of fertilizer in Japan, Manchukuo and China, as well as to meet the demand at the time of emergency, the manufacture of chemical manure will be promoted, establishment is highly expected.

B. The annual production of nitrogenous manure will be approximately 450,000 tons.

(1)	Manchurian Chemical Co.	240,000 tons
(2)	By-product of various steel works	62,000 "
(3)	" " " of shell oil	145,000 "
(4)	Auxiliary plant at gas works	6,000 or 7,000 "
	Total	453,000 tons.

(Appendix)

¥3 Approximate total sum of the fund required in and after the 2nd fiscal year on

N.B.

Regarding the manufacture of chemical manure by ~~way of~~ nitrogen fixation, special consideration will should be made or how to materialize the same, having in mind the demand situation both in and ~~out of~~ at home abroad. in the country. Revised (the country and various industrial conditions) ~~annual~~ Development aimed at

¥B The amount to be developed and the fund required thereof

Production figures of Revised Plan Expansion necessary from

Classification	Unit	Desired sum of production at the Original plan.	Present Capacity (actual results in 1937)	Revised Production Sum	Plan Expected Sum	Required sum of the 2nd fiscal year (Unit ¥1,000)
chemical manure	Ton	—	202,930	453,990	251,060	—
Manchurian Chemical Co	"	—	153,000	240,000	87,000	—
By-product of coal steel works	"	—	13,460	62,250	48,790	—
Shell oil	"	—	30,000	145,000	115,000	—
auxiliary at gas Works	"	—	6,470	6,740	270	—

P.C ~~Sum of~~ Demand and Supply

Classification	Unit	~~Sum of~~ Production	Demand ~~Sum~~	anticipated ~~Sum of~~ Import & Export I	Import & Export To Japan
Chemical fiber	1000 ton	453	200	250	150

VIII Pulp

A Summary

~~In~~ Comply with the sudden increase of ~~pulp~~ demand for pulp in Japan, the Great and Small Hsingan ling Wood-pulp Mills should immediately be developed and the production of reed pulp and bean straw pulp be increased.

Also investigation should be made as to what plants can be utilized as pulp material besides the Latifoliate tree, willow and Kaoliang stalk.

After completion of the project

※1. When the scheme be materialized, the annual output

of 400,000 tons pulp is expected, for production, namely,

150,000 tons for rayon, and 250000 tons for paper manu-

facturing.

1) Wood pulp 300,000 tons

4 Pulp mills in

East Manchuria 60,000 "

The Yalu Paper Manu-

facturing Co. 10,000 "

Great & Small Hoirin Mining

Co. 230,000 "

2). Reed pulp 70,000 "

(3) Bean straw pulp 30,000

Total 400,000 tons

After completion of the project

When the scheme completed, approximately 300,000 Tons

pulp(s)

(including finished goods as newspaper) is to be supplied To Japan

figure of 5(1)

B2 Approximate sum of funds required ~~for~~ from the 2nd fiscal year on. ¥ 194,000,000.

N.B.

Among the pulp equipment for paper manufacturing to be newly expanded, a large amount will be for ground pulp which will be used for newspaper.

Development aimed at

2B Harbour to be developed and ~~the~~ fund required ~~Unit~~. Expansion necessary

Classification	Unit	~~Project~~ Figure of Production at the original plan	Present Capacity	Revised Production current year	Plan Expanded Sum	Required funds for 2nd fiscal year (Unit ¥1,000)
Pulp	1000 ton	120	70	400	330	194,000
Wood pulp	11	120	70	300	230	144,000
Reed pulp	11	—	—	70	70	35,000
Bean straw pulp	11	—	—	30	30	15,000

(C) ~~Summary~~ Demand and Supply

assessment

Classification	Unit	~~Summary~~ Production	Demand Estimate	Anticipated ~~Summary~~ Imports & Exports (I)	Imports & Exports to Japan
For Rayon	1000 tons	150	—	150	150
For Paper	"	250	100	150	150
Total		400	100	300	300

IX Gold

A Summary

1. In order to meet the current requirement, the production of gold should be positively increased, and as for alluvial gold, it is urged that the production be made in accordance with the original plan be carried out scheme, and a plan for mountain gold (2), schedule be made for the

increase of the output of production. of mountain gold be made.

2A. The total production of gold for the 5 years through to be ¥ 304,000,000 (80,000 Kilograms)

(1) alluvial gold (53,000 Kilograms) ¥ 201,100,000.
(2) Mountain gold ¥ (27,000 ") ¥ 102,800,000

3A. Approximate sum of the fund required in and after the 2nd fiscal year on. ¥ 120,000,000.

Development aimed at

#B The amount to be developed and the fund required thereof

(actual results Kotoku 4/1937)

classification	Unit	Desired sum of production at the original plan (for 5 years)	Present capacity	Revised Plan Productive sum (Total sum 5 years)	Required funds to be used after the 2nd fiscal year (About ¥1,000)
Gold gold	¥1,000.-	212,000	12,108	304,012	120,000
Alluvial gold	"	—	—	201,190	62,000
Deiho	"	—	—	85,890	—
Chiasen	"	—	—	94,930	—
Shukishan	"	—	—	20,468	—
Mountain gold	"	—	—	102,822	58,000
Mining Refinery Bureau	"	—	—	72,862	—

Classification	Unit	Desired Sum of production at the original plan	Present Capacity	Revised Plan (Total Sum of 5 years)	Required funds in and after the 2nd fiscal year (Unit ¥1,000.-)
Yenwa (Reported)	¥1,000.	—	—	9,777	—
Manchurian Manshu Mining	"	—	—	5,840	—
Jehol	"	—	—	2,975	—
Kaicanton (Konetsu)	"	—	—	3,347	—
Miscellaneous	"	—	—	8,021	—

X Machine Tools

XI Automobiles

XII Aircraft.

A Summary

1. The productivity of Machine Tools, aiming at 5,000 units annual output of 5000 units production per year, the expansion scheme of productivity is pursued.

Lathe	3,200	units machines
Planer	100	"
Drilling Boring Machines	300	"
Shaper	100	"
Milling Machine	900	"

Grinding Polishing	Machine and others	400 machines units.
Total		5000 "

N.B. If computed in the terms of price, the ~~cost~~ price (of each machine ~~To be taxed~~) shall be equivalent to that of Japan.

B/. 2. Regarding automobiles, besides putting in order ~~completed~~ the existing equipments of the Dowa Automobile Manufacturing Co., ~~emphasis~~ is put on the annual production (will be aimed at) of 50,000 units, and through the establishment of the manufacturing schedule planned ~~shall be established~~ to meet the above requirement, but under the present circumstances, as the first step, ~~ample~~ equipments ~~to be immediately~~ of ~~prepared~~ capable to produce 30,000 units per year will be undertaken

the Manchuria

&3. As to aircraft production, Manchu Aircraft

Manufacturing Bureau should be extended and ~~expanded~~ attached

~~selected~~, and ~~location~~, a fundamental manufacturing

industry approximately 5,000

~~schedule to~~ be established, aiming at ~~30,000~~ units

annual production of)

~~production per year~~.

(a fundamental)

&4 For the purpose of enterprise of Automobile and

Aircraft manufacturing, ~~consideration should be made~~

by third power technique

~~for the import of~~ investment and engineering ~~from~~

import of

~~the third power~~ will be considered.

figure of fund from

&5 Approximate total ~~sum~~ of required ~~from~~ the work

~~after~~ the 2nd fiscal year on ¥ 695,000,000.-

Development aimed at

B/ Desired rate of development and the fund required

~~thereof~~

classification	Unit	Record year of production at the original plan (figures)	Present capacity	Revised Plan Production Amount	Revised Plan Expanded Sum	Required funds (in and after the 2nd fiscal year of the plan) (Unit ¥1,000)
Machine Tools	per unit	—	—	5,000	5,000	15,000
Automobiles	"	4,000	—	50,000	For the time being 30,000	For the time being 180,000
Aircrafts	"	340	—	5,000	5,000	500,000
TOTAL						695,000

XIII Electric Power

A. Summary

A/. To promote the spread of ~~With the view to popularize~~ electric lights in general as well as ~~to quicken~~ the rise of various equipment for industries, ~~it is scheduled~~ the expansion of power transmitting and transforming will be pushed ahead generating and substation equipments.

B2. Power generating equipment shall be 2570,000 K.W
(have a capacity of)
capacity in the 5th fiscal year.

Heat-engine
Heat ~~Engine~~ power station (8,140,000 K.W) 13,300,000 K.W.
Hydro-electric " " (5,900,000 K.W) 12,400,000 K.W.

NB. Figures in the parentheses (are those of) show the original
scheme plan amount.

B3. Regarding hydro-electric power station, such power generation
stations at No. 2 Sungari River, Yalu River and
Chingpohu now under construction are to be facilitated and expanded, and besides, the consideration
should be given to further development of the main and
streams of the Yalu River and its tributary be
considered

No 2 Sungari River : 6.000,000 K.W.
Yalu (Saiko Plant) : 3.600,000 "
Mutanchiang (Chingpaku) 800,000 "
Main and branch rivers
of Yalu 2,000,000 "
Total . 12,400,000 "

4 Power transmission line in Total length of the
will be
4,412 kilo-litres, and transformer substation equipment capa-
city 2,479,000 KVA

5 Approximate total funds required from and after
the 2nd fiscal year on. ¥ 495,000,000 -

6 Desired Sum of Development and fund required
thereof.

Expansion recovery

Classification	Unit	Desired sum of production of the original plan (figure)	Present Capacity	Revised Plan Production Sum	Expanded Sum	Required funds for the 2nd fiscal year (Unit ¥1000.)
Power Generating	K.W.	1,404,600	554,100	2570,550	2,016,450	335,000
Hydraulic power	"	590,000	—	1,240,000	1,240,000	225,000
Coal power	"	814,600	554,100	1330,550	776,450	110,000
Total length of Power Transmission line	K.M	4,815	250	4,413	4,163	78,000
Capacity of Transformers Transformation equipment	1000 KVA	1,965	71	2,479	2,406	82,000
TOTAL	¥1000.					495,000

3.C Sum of Demand and Supply. (maximum load)

Classification	Unit	Desired sum of Production	Amount of Demand: 5th year (K1.8)	6th year (K0.9)
Electric power	1000 KW	2,570	1,163	1,639
(Region)	"	-	1,163	1,639
South Manchuria	"	—	823	1,109
North Manchuria	"	—	152	331
East Manchuria and others	"	—	188	299
(Place of demand)	"	—	1,163	1,639
General Electric light	"	—	318	354
Iron & Steel	"	—	397	466
Light Metal & non-ferro Metal	"	—	187	261
Liquid fuel	"	—	157	305
Chemical industry	"	—	104	253

XIV Munitions & Vehicles

A Summary

Munitions and vehicles will be minutely investigated later.

B. Desired Sum of Production and fund required thereof.

Classification	Unit	Desired sum of production at the original plan	Present capacity	Revised Plan: Production during 6 years	Revised Plan: Expanded sum	Required funds onward after the 3rd fiscal year (Unit ¥1,000.-)
Munitions		approximately five times of present capacity.	—	—	—	1.000.000
Vehicles	car	—	—	—	—	28.000
Locomative	"	1.664 (85)	—	—	—	—
Passenger & Freight Cars	"	18.490 (2.150)	—	—	—	—

N.B.

Regarding vehicles, figures in parentheses in the column of original plan show the new manufacturing capacity.

XI Asbestos, & Treatment of Meat

A Summary

Production of Asbestos and treatment of meat will be done generally in accordance with the original plan.

~~B Desired sum of Development~~ and ~~the~~ fund required thereof.

Classification	Unit	~~Desired sum of~~ production at the original plan	Present capacity	Revised Plan: Production from ...	Revised Plan: Expanded sum	Required funds ... after the 2nd fiscal year (Unit ¥1,000)
Asbestos	ton	5,000	100	5,000	4,900	2500
Treatment of meat	1,000 tons	50	—	—	—	9,000

APPENDIX

List of Industrial Products under Five Years' Plan of Manchoukuo

Classification	Unit	Production aimed at			Remarks
		~~Decided aim of production at the Original plan.~~	Present Capacity	Revised Plan	(Required fund) ~~and~~ ~~at~~ the 2nd fiscal year
Iron and steel					726,000
Pig Iron	1000 tons	2,530	850	(4,350) 4,000	320,000
~~Bloom Steel~~ ~~Ruppe~~ ~~?~~	"	(200)	—	500	
Steel Ingot	"	2,000	580	(3,550) 3,160	260,000
Ordinary Steel	"	1,500.	400	(1,700) 1,400	
Special Steel	"	—	—	100	27,500
~~Iron ore~~ Ore	"	Rich 1,590 Poor 6,150	709 1,768	2,990 13,000	118,500
Coal	"	27,160	14,648	34,910	315,000
~~Manchuria~~ Manaka Mining Concern	"	15,000	2,740	18,050	230,000
South Manchuria Railway Co. Concern	"	10,660	10,570	10,360	2,000
~~Idonkeuko~~ PENHSIHU	"	1,500	786	2,700	29,000
(Miscellaneous)	"	—	(570)	(3,800)	54,000
Liquid Fuel					1,056,000
Coal liquefaction	"	800	—	1,770	936,000
(Factories)					
Fushun	"	250	(10)	350	—
~~Kun-chan~~ CHINCHOU	"	300	—	700	—

Product

Classification	Unit	~~Desired sum of production at the beginning~~ plan	Present Capacity	Revised Plan	Required funds for ~~work~~ the 2nd fiscal year	Remarks
Soupingchick Hsien	1000 tons	100	(10)	160	—	
Chientao	"	—	—	—	—	
Kirin	"	—	—	300	—	
Ilan	"	—	—	200	—	
Austian	"	—	—	60	—	
(Manufactured goods)						
Volatile Oil	1000 Kilolitres	615	—	1.670	—	
Crude ~~Good~~ Oil	"	100	—	250	—	
Miscellaneous	"	—	—	77	—	
Shell Oil	"	800	—	650	105.000	
(Factories)						
Fushun	"	500	145	500	55.000	
Sanfusing	"	300	—	—	—	
Loshiko (P'Kou Tze)	"	—	—	150	50.000	
(Manufactured goods)						
Volatile Oil	1000 Kilo Litres	176	24	70	—	
Crude ~~Good~~ Oil	1000 tons	331	66	500		
TOTAL					1.041.000	
Volatile Oil	1000 Kilo Litres	791	—	1.740	—	
Crude ~~Good~~ Oil	1000 tons	431	—	750	—	
alcohol	ton	56,690	15,080	56.690	15,000	

Classification	Unit	Production ~~Desired sum of production at the designed plan~~	Present Capacity	Revised Plan	~~Required funds for the 2nd fiscal year~~	Remarks
Aluminium	ton	20.000	(4.000)	30.000	78.000.	
Magnesium	"	500	—	3.000	9.000	
Lead	"	12,400	1.220	29.000	4.450	
Zinc	"	6.600	1.643	50,000	18.550	
Copper	"	—	—	3.000	6.300	
Salt	"	973,588	333.684	910.520 (after Salt Field is Completed 1,402.000)	22.000	
Soda Ash	"	72.000	12.000	72.000	1.500	
Chemical Manure 1000 tons		—	202	453		
Pulp	"	120	70	400	194.000	
Wood Pulp	"	120	70	300	144.000	
Reed Pulp	"	—	—	70	35.000	
Bean ~~Palm~~ Straw Pulp	"	—	—	30	15.000	
Gold	¥1.000.-	(Total Sum) 212.000	12.108	304.012	120,000	
Machine Tools Unit		—	—	5,000	15.000	
Automobiles	"	4.000	—	30.000	180.000	
Aircrafts	"	340	—	5.000	500.000	
Electric Power					495.000	
Power Generating Equipment	KW.	1,404,600	554,100	2570,550	347.000	
Hydraulic power	"	590,000	—	1,240,000	225.000	
Coal power	"	814.600	554,100	1,330,550	122,000	
Total length of Power Transmission Line	KM	4.810	250	5,413	78.000	
Capacity of ~~sub~~ station equipment (transformer)	1000 KVA	1.965	71	2.479	70,000	

Classification	Unit	Production aimed at: Desired ~~Scale of production at the~~ original plan	Present capacity	Revised Plan	~~Required amount after the~~ 2nd fiscal year	Remarks
Asbestos	ton	5,000	100	5,000	2,500	As per original scheme
Treatment of meat	1000 tons	50	—	—	9,000	"
Vehicles	Car				28,000	"
Locomotives	"	1,664 (85)	—	—	—	
Passenger & Freight Cars	"	18,490 (2,150)	—	—	—	
Munitions		approximately 5 times ~~that~~ of present capacity	—	—	100,000	
TOTAL					3,880,300	

~~Planning~~ Outline of Revised Funds Plan Scheme of the Five Years' Plan of Industrial Development of Manchukuo.

(May, Fifth Year of KOTOKU /1938/ Manchukuo Government)

1. Required funds (~~in and~~ from after the 2nd fiscal year on)
   — See ~~the First List~~ Table No. 1

	Mining and Industrial Dept. (~~Remarks No. 1~~ Note 1)	Whole Scheme (~~Remarks No. 2~~ Note 2)
Original Plan	¥1,500,000,000	¥2,582,500,000
Revised Plan	¥3,880,300,000	¥4,962,800,000
Increased Sum	¥2,380,300,000	¥2,380,300,000

N.B.

(1) From ¥1,638,500,000, the total fund required for 5 years for the original plan of Mining and Industrial Dept ~~deducting~~ (¥138,500,000 is deducted) actually spent the amount in the first fiscal year, making ~~¥1,500,000,000 needed~~ the sum needed from and after the 2nd fiscal year ¥1500,000,000

(2) From ¥2,905,500,000, the total fund required for 5 years for the whole original plan, ~~deducting ¥923,000,000~~

¥323,000,000 is deducted.

The sum actually spent ~~xxxx~~ in the first fiscal year makes, ~~¥2,582,500,000~~. The ~~needed~~ sum needed for ~~xx xxx~~ after the 2nd fiscal year on ¥2,582,500,000.

2. Presumption of Required funds emanated to: will be discharged countries to be

	Mining and Industrial Dept	Ratio against Total Sum	The whole plan	Ratio against Total Sum
Total sum of Required funds	¥3,880,300,000	100%	¥4,962,800,000	100%
Paid in the country	1,364,900,000	35%	2,141,400,000	43%
Paid to Japan	1,284,900,000	33%	1,468,900,000	30%
Paid to ~~the~~ Third Powers	1,230,500,000	32%	1,352,500,000	27%

As shown in the above, ~~the payee~~ of the total required fund of ¥4,960,000,000 (to be paid,) is 43% in the country, 30% to Japan and 27% to the third powers, and the amount paid to the third powers is ¥1,350,000,000, which is about ¥850,000,000 increase over the original estimated amount of ¥500,000,000 ~~to be paid to those powers~~

Looking over the payees for the Mining and In-

dustrial Dept. only, Manchukuo, Japan and the third

powers, each ~~takes~~ get one third of the total ~~paying~~

~~amount~~.

3. Scheme to raise the required fund.

(A) ~~The amount required~~ Those. to raise the Japanese Yen fund.
(See ~~the list~~ Table No. 2)

(from the fund to be paid to Japan directly or in-

directly). Deducting the Japanese Yen ~~values~~ equivalent

to what Manchukuo should gain by exporting ~~for~~

the materials of

~~goods~~ to Japan which be made during the Five Years'

Plan ~~would be~~ the balance would be the amount ~~which actually required~~

to be raised in Japan

Mining and Industrial Dept.	Appro.	¥1,690,000,000
Miscellaneous	"	620,000,000
Total		¥2,310,000,000

As a means to raise foreign currency, according to the current exchange agreement between Japan and Manchukuo (the allotted amount to Manchukuo of 60% will be increased to 90% and in case such ratio be increased to 90% thereby to gain foreign currency amounting to ¥400,000,000, which makes it necessary to [illegible] an equivalent amount of gold yen fund apart from this needed separately.

(B) The amount required foreign currency

as stated above, and the fund required the amount

to be paid to the third countries would be about ¥1350,000,000,

whereas the exchange fund which can be estimated under

the current exchange agreement between Japan and

Manchukuo, plus extra exchange fund which

might be gained by improvement of commerce in

future would make approximately ¥610,000,000 including gold

newly produced, which means a deficit of ¥740,000,000

that after all. How to raise a amount supply this difference

is mentioned in

should be carried in accordance with the Exchange

(4) of No. 4 following

Scheme, Note to be mentioned later.