

9. Statistical Data on Production Material Circulation in China

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Remarks

1. "Survey of China's Material System" 「中国物资系统概観」 and "Statistical Yearbook of China", (S.Y.C.) 「中国統計年鑑」 are the main statistical sources on production material circulation of the period from 1981 to 1989. "China Today: Material and Equipment Circulation" 「当代中国-物资流通」 is useful as a supplementary source to the above.
2. On the circulation from 1992, "Statistical Yearbook of Chinese Production Material Markets" 「中国生産資料市場統計年鑑」 is available. The first edition was published in 1993, and it covered 1992 data mainly. Some data for 1985-1991 were included.
3. Detail data on 1990 and 1991 are not available except the data in "S.Y.C.".
4. In 1993 edition of "S.Y.C.", the coverage of units (firms) as a survey target was extended to non-state owned units. As a results, the strict consistency was demolished.
5. In 1994 edition of "S.Y.C.", the new concept of compilation of data was introduced. The detail structure of production material circulation units was opened to us. Table 1 and 2 were re-composed with those data.
6. The following tables were re-formulated with the data of the above mentioned sources considering consistency.
 - Table 1: Basic Data on Production Material Circulation 1993
 - Table 2: Purchases & Sales of Circulation Units 1992
 - Table 3: Sales of Selective Provinces 1992
 - Table 4: Sales Quantity of Production Materials in Wholesale Trade 1993
 - Table 5: Sales and Purchases by Sector 1988 - 1993
 - Table 6: Number of Units 1981 - 1993
 - Table 7: Number of Personnel 1981 - 1993
 - Table 8: Comparative Data of Production and Circulation 1980 - 1993
 - Table 9: Management Situation of Circulation Units 1981 -1993
 - Table 10: Top 20 Units

(Compl. by T. Harada, with assistance of K. Kubota, K. Nomura, and A. Yamada)

<Table 1>

BASIC DATA ON PRODUCTION MATERIAL CIRCULATION 1993

	UNITS	OUTLETS	PERSONNEL	PURCHASES	FROM PRODUCT IMPORTS	UNITS
TOTAL	33,388	71,058	1,148,113	8,631.2	4,805.6	271.3
BY TYPE OF OWNERSHIP						
STATE OWNED	23,313	56,461	957,687	7,771.6	4,384.2	258.7
COLLECTIVE OWNED	9,555	13,709	175,573	687.8	322.6	3.9
PRIVATE	84	49	462	1.0	0.5	
INDIVIDUAL	226	255	4,155	64.6	29.0	4.1
JOINT VENTURE	171	531	9,706	101.0	67.4	2.4
LIMITED CO.	17	27	237	3.7	0.5	1.9
FOREIGN INV.	9	7	159	1.0	1.0	0.3
H. K., MACAU & TAIWAN	13	19	134	0.5	0.4	
BY SECTOR						
PETROLEUM	548	995	22,874	319.0	183.0	9.3
COAL	2,027	6,471	139,676	481.3	309.7	4.8
OTHER ENERGY	97	205	2,911	17.9	7.6	1.8
CHEMICALS	2,357	4,442	73,544	640.0	328.9	22.7
BUILDING MAT.	6,931	15,067	232,236	765.8	409.2	30.9
ORE PRODUCTS	460	672	10,470	43.9	20.4	0.1
FERROUS	11,197	21,690	347,951	3,516.8	1,952.1	106.3
NONFERROUS	956	1,596	20,685	294.2	165.9	12.1
MACHINE & ELEC.	3,575	6,399	105,515	868.0	544.9	22.2
VEHICLES	1,369	4,412	60,627	915.8	452.5	43.9
RECYCLED MAT.	1,169	2,893	50,057	199.5	88.1	1.9
OTHERS	2,702	6,216	81,567	569.0	342.8	15.1
BY SCALE OF FIRMS						
LARGE	704	4,518	113,989	3,033.7	1,885.8	166.4
MIDDLE	10,114	28,408	521,792	4,100.9	2,147.1	79.7
SMALL	22,570	38,132	512,332	1,496.6	772.3	25.2

Source: "Statistical Yearbook of China 1994"

Note: Printer's errors in the source were corrected

The numbers of Units, Outlets, and Personnel are the actual numbers.

(UNIT: RY'00MIL)			
SALES	TO PRODUCT	EXPORTS	INVENTORY
	UNITS		(YEAR-END)
9,278.6	5,408.3	18.1	1,001.6
8,368.1	4,903.9	15.6	830.4
733.8	399.2	1.3	151.3
1.0	0.5		
65.5	37.1	0.7	6.8
104.6	65.2		12.8
3.8	1.4	0.5	0.2
1.1	0.7		0.1
0.7	0.3		
357.1	225.7	1.8	28.3
529.7	349.8	1.7	48.8
18.4	9.4		2.6
723.4	407.6	3.3	66.2
821.6	486.9	1.7	91.4
39.5	22.7	0.4	5.1
3,714.1	2,311.6	2.0	382.0
317.8	181.2	0.4	26.9
954.6	557.0	2.9	144.8
961.3	372.6	0.3	77.4
222.1	138.7	0.1	25.2
619.1	345.0	3.4	103.3
3,246.8	1,959.3	3.3	335.4
4,425.7	2,537.2	9.0	455.6
1,606.1	911.8	5.8	210.9

<Table 2>

PURCHASES & SALES OF CIRCULATION UNITS 1992

	PURCHASES								
	TOTAL	(%)	FROM PRODUCT UNIT	(%)	(%)	IMPORT	(%)	(%)	
GROUND TOTAL	A 567.9	100%	E 322.7	100%	56.8%	I 18.23	100%	3.2%	
TOTAL AMOUNT		(B/A)		(F/E)	(F/B)		(J/I)	(J/B)	
1. FUEL	B 59.6	10.5%	F 39.7	12.3%	66.6%	J 1.58	8.7%	2.7%	
2. FERROUS	169.2	29.8%	94.3	29.2%	55.7%	5.61	30.8%	3.3%	
3. NONFERROUS	34.5	6.1%	14.8	4.6%	42.9%	0.78	4.3%	2.3%	
4. CHEMICALS	59.2	10.4%	32.3	10.0%	54.6%	2.91	16.0%	4.9%	
5. BUILDING MAT.	24.7	4.3%	17.6	5.5%	71.4%	0.20	1.1%	0.8%	
6. WOOD	18.6	3.3%	7.9	2.4%	42.3%	2.60	14.3%	14.0%	
7. MACHINERY	122.0	21.5%	76.4	23.7%	62.6%	2.20	12.0%	1.8%	
8. OTHERS	80.7	14.2%	39.7	12.3%	49.2%	2.34	12.8%	2.9%	
STATE OWNED	403.8	71.1%	219.3	68.0%	54.3%	6.96	38.2%	1.7%	
		(C/B)		(G/F)	(G/C)		(K/J)	(K/C)	
1. FUEL	C 35.1	58.9%	G 23.7	59.6%	67.4%	K 0.44	27.9%	1.3%	
2. FERROUS	118.1	69.8%	63.6	67.5%	53.9%	1.86	33.1%	1.6%	
3. NONFERROUS	24.9	72.2%	10.2	68.7%	40.8%	0.17	21.9%	0.7%	
4. CHEMICALS	40.5	68.3%	22.0	68.0%	54.3%	0.59	20.4%	1.5%	
5. BUILDING MAT.	18.6	75.4%	13.4	76.1%	72.1%	0.05	22.5%	0.2%	
6. WOOD	14.5	77.6%	6.0	75.7%	41.3%	2.12	81.6%	14.7%	
7. MACHINERY	94.3	77.3%	54.6	71.5%	57.9%	1.19	54.0%	1.3%	
8. OTHERS	57.9	71.8%	25.9	65.2%	44.6%	0.54	23.1%	0.9%	
	164.1	28.9%	103.4	32.0%	63.0%	11.27	61.8%	6.9%	
		(D/B)		(H/F)	(H/D)		(L/J)	(L/D)	
1. FUEL	D 24.5	41.1%	H 16.0	40.4%	65.4%	L 1.14	72.1%	4.7%	
2. FERROUS	51.2	30.2%	30.7	32.5%	60.0%	3.76	66.9%	7.3%	
3. NONFERROUS	9.6	27.8%	4.6	31.3%	48.3%	0.61	78.3%	6.4%	
4. CHEMICALS	18.7	31.7%	10.4	32.0%	55.3%	2.31	79.6%	12.3%	
5. BUILDING MAT.	6.1	24.6%	4.2	23.9%	69.2%	0.16	77.5%	2.6%	
6. WOOD	4.2	22.4%	1.9	24.3%	45.9%	0.48	18.4%	11.5%	
7. MACHINERY	27.0	22.2%	21.8	28.5%	80.5%	1.01	46.0%	3.7%	
8. OTHERS	22.8	28.2%	13.8	34.8%	60.7%	1.80	76.9%	7.9%	

Source: "Statistical Yearbook of Chinese Production Material Markets 1993"

(UNIT: RYBIL)

TOTAL	SALES									
	(%)	TO PRODUCT UNIT	(%)	(%)	EXPORT	(%)	(%)	(%)	(%)	
M	604.7	100%	Q	341.8	100%	56.5%	U	1.57	100%	0.3%
		(N/M)			(R/Q)	(R/N)			(V/U)	(V/N)
N	67.1	11.1%	R	41.4	12.1%	61.7%	V	0.10	6.2%	0.1%
	179.6	29.7%		110.7	32.4%	61.7%		0.16	10.5%	0.1%
	36.4	6.0%		18.0	5.3%	49.4%		0.02	1.3%	0.1%
	61.8	10.2%		35.1	10.3%	56.8%		0.34	21.7%	0.6%
	26.0	4.3%		18.1	5.3%	69.5%		0.16	10.1%	0.6%
	21.5	3.5%		11.0	3.2%	51.4%		0.07	4.6%	0.3%
	127.2	21.0%		63.9	18.7%	50.2%		0.26	16.7%	0.2%
	85.1	14.1%		43.5	12.7%	51.2%		0.45	28.5%	0.5%
	429.6	71.1%		235.1	68.8%	54.7%		0.64	40.5%	0.1%
		(O/N)			(S/R)	(S/O)			(W/V)	(W/O)
O	40.1	59.7%	S	26.2	63.2%	65.3%	W	0.04	40.8%	0.1%
	125.7	70.0%		74.7	67.5%	59.4%		0.07	40.2%	0.1%
	26.4	72.5%		12.8	71.2%	48.6%		0.01	50.0%	0.0%
	42.7	69.1%		24.0	68.4%	56.2%		0.04	11.7%	0.1%
	20.0	76.7%		13.7	75.6%	68.5%		0.12	73.6%	0.6%
	16.3	76.1%		8.7	79.1%	53.4%		0.03	47.2%	0.2%
	97.1	76.4%		48.1	75.3%	49.6%		0.07	26.3%	0.1%
	61.3	72.0%		26.9	61.7%	43.8%		0.30	66.2%	0.5%
	175.0	28.9%		106.7	31.2%	61.0%		0.93	59.1%	0.5%
		(P/N)			(T/R)	(T/P)			(X/V)	(X/P)
P	27.0	40.3%	T	15.2	36.8%	56.3%	X	0.09	95.9%	0.3%
	53.8	30.0%		36.0	32.5%	66.9%		0.10	59.8%	0.2%
	10.0	27.5%		5.2	28.8%	51.8%		0.01	50.0%	0.1%
	19.1	30.9%		11.1	31.6%	58.0%		0.30	88.3%	1.6%
	6.1	23.3%		4.4	24.4%	72.7%		0.04	25.8%	0.7%
	5.1	23.9%		2.3	20.9%	44.9%		0.04	52.8%	0.7%
	30.0	23.6%		15.8	24.7%	52.5%		0.19	74.0%	0.6%
	23.8	28.0%		16.7	38.3%	70.1%		0.15	33.8%	0.6%

<Table 3>

	SALES OF SELECTIVE PROVINCES 1992						(UNIT: R¥'0000)	
	FUEL	FERROUS	NON FERROUS	CHEMICALS	BUILD. MAT.	OTHERS	TOTAL	
TIANJIN	21,250	646,557	148,422	140,599	112,578	483,638	1,553,044	
BEIJING	154,373	488,890	53,174	167,551	148,198	790,608	1,802,794	
DONGBEI	683,318	2,269,073	392,245	587,151	439,445	730,443	5,101,675	
HUADONG	2,267,940	4,515,969	1,354,079	2,026,383	1,321,909	7,250,622	18,736,902	
HUANAN	725,593	1,425,637	323,319	677,886	516,708	1,887,719	5,556,862	
OTHERS	2,858,856	8,613,252	1,367,526	2,582,538	2,210,920	10,082,997	27,716,089	
TOTAL	6,711,330	17,959,378	3,638,765	6,182,108	4,749,758	21,226,027	60,467,366	

Source: "Statistical Yearbook of Chinese Production Material Markets 1993"

Note: Dongbei= Liaoning, Jilin, and Heilongjiang.

Huadong= Shanghai, Jiangsu, and Zhejiang.

Huanan= Guangdong and Fujian.

<Table 4>

SALES QUANTITY OF PRODUCTION MATERIALS IN WHOLESALE TRADE (1993)

ITEM	(UNIT: '000 TON)				
	SALES	SOLD TO PRODUCT MANAGEMENT UNITS	SOLD TO WHOLESALES AND RETAIL SALES	EXPORTS	OTHERS
Pig Iron	6808	3675	3133		1355
Steel Production	106872	50133	56732	7	15765
Copper	966	552	414		46
Aluminium	799	512	287		614
Lead	115	74	40		14
Zinc	345	216	129		1058
Tin	25	19	6		23
Copper Products	81	63	18		13
Aluminium Products	56	44	12		10
Sulphuric Acid	438	319	119		28
Caustic Soda	420	320	101		78
Soda Ash	1435	944	490		245
Natural Rubber	702	533	170		49
Synthetic Rubber	344	225	119		89
Cement	29519	22977	6538	4	6684
Sawn Timber *	1698	1265	432		1101
Coal	202897	159815	43082		41731
Crude Oil	2211	1993	218		45
Gasoline	4990	2933	2035	22	240
Kerosene	11048	7935	3051	62	313

Source: See Table 1.

* cu. m

<Table 5>

SALES AND PURCHASES BY SECTOR 1988~1993

		(UNIT: R¥'00MIL)					
		1988	1989	1990	1991	1992	1993
FUEL	SALES	307.9	431.8	441.2	499.4	671.1	905.2
	PURCHASES	269.5	388.5	385.2	436.2	506.2	618.2
FERROUS	SALES	901.3	930.6	936.4	1,134.2	1,795.9	3,714.1
	PURCHASES	842.8	920.9	898.7	1,060.0	1,602.2	3,516.8
NON FERROUS	SALES	172.9	193.7	206.9	228.4	363.9	317.8
	PURCHASES	164.8	200.6	195.7	219.3	345.2	294.2
CHEMICALS	SALES	447.7	436.5	336.7	521.1	618.2	723.4
	PURCHASES	440.6	407.4	390.5	501.2	592.0	640.0
BUILDING MAT.	SALES	409.7	370.2	326.6	366.1	475.0	821.6
	PURCHASES	374.1	337.4	288.5	322.6	401.2	765.8
OTHERS	SALES	1,115.8	1,066.2	1,142.1	1,473.1	2,122.6	2,796.6
	PURCHASES	1,078.7	1,036.0	1,056.5	1,407.4	2,020.3	2,596.2
TOTAL	SALES	3,355.3	3,429.0	3,389.9	4,222.3	6,046.7	9,278.7
	PURCHASES	3,170.8	3,290.8	3,215.1	3,946.7	5,679.1	8,631.2
	BALANCE	184.5	138.2	174.8	275.6	367.6	647.5

Source: "Statistical Yearbook of Chinese Production Material Markets 1993"
for data of 1988 - 1992

"Statistical Yearbook of China 1994" for data of 1993

Note: The building materials include wood materials.
Printer's errors in the source were corrected.

<Table 6>

NUMBER OF UNITS 1981~1993

	1981	1985	1989	1992	1993
STATE OWNED	9,100	15,700	19,793	19,397	23,313
COLLECTIVE OWNED				3,567	9,555
OTHERS				157	520
TOTAL	9,100	15,700	19,793	23,121	33,388

Source: "Survey of China's Material System" (「中国物资系统概况」)
for data of 1981 - 1989

"Statistical Yearbook of Chinese Material Markets 1993"
for data of 1992

"Statistical Yearbook of China 1994" for data of 1993

<Table 7>

NUMBER OF PERSONNEL 1981~1993

	1981	1985	1989	1992	1993
STATE OWNED	680.5	843.3	1,038.0	1,184.5	957.7
COLLECTIVE OWNED				159.2	175.6
OTHERS				6.0	14.9
TOTAL	680.5	843.3	1,038.0	1,349.7	1,148.2

Source: See Table 6.

<Table 8>

COMPARATIVE DATA OF PRODUCTION AND CIRCULATION

	(UNIT: R¥'00MIL)				
	A	B	C	D	E
1980	5,154	2,826	449	15.9%	
1981	5,400	2,959	448	15.1%	99.8%
1982	5,811	3,229	561	17.4%	125.2%
1983	6,461	3,756	645	17.2%	115.0%
1984	7,617	4,500	786	17.5%	121.9%
1985	9,716	4,971	1,090	21.9%	138.7%
1986	11,194	5,536	1,208	21.8%	110.8%
1987	13,813	6,783	1,580	23.3%	130.8%
1988	18,224	8,141	3,355	41.2%	212.3%
1989	22,017	9,215	3,429	37.2%	102.2%
1990	23,924	9,292	3,389	36.5%	98.8%
1991	28,248	11,370	4,222	37.1%	124.6%
1992	37,066	14,769	6,046	40.9%	143.2%
1993	52,692	n. a.	9,278	n. a.	153.5%

A: GROSS OUTPUT VALUE OF INDUSTRY

B: TOTAL VALUE OF PRODUCTION MATERIAL SALES

C: TOTAL VALUE OF SALES BY CIRCULATION UNITS

D: C/B

E: GROWTH RATE TO THE PREVIOUS YEAR OF C (TOTAL VALUE OF SALES BY CIRCULATION UNITS)

Source: "Statistical Yearbook of Chinese Production material Markets 1993"
for data of 1980 - 1992

"Statistical Yearbook of China 1994" for data of 1993

Note: B includes C, direct sales to product units, and others.
Printer's errors in the source were corrected.

<Table 9>

MANAGEMENT SITUATION OF CIRCULATION UNITS

	(UNIT: R¥ BIL)					
	1981	1985	1990	1991	1992	1993
TOTAL PURCHASES	40.12	103.76	219.64	294.05	567.91	863.12
TOTAL SALES	44.76	108.99	239.84	317.18	604.67	927.86
TOTAL PROFIT	1.15	4.13	3.29	3.41	7.92	n. a.
CIRCULATION COST	4.01	7.90	15.52	16.69	34.00	n. a.
TOTAL SALES	44.76	108.99	239.84	317.18	604.67	927.86
TO NON-PLANS	10.21	45.45	190.69	263.37	n. a.	n. a.
TO PLANS	34.55	63.54	49.15	53.81	n. a.	n. a.
TOTAL INVENTORY	13.28	18.45	35.13	38.88	61.68	100.16

Source: "Statistical Yearbook of Chinese Production Material Markets 1993"
for data of 1992

"Statistical Yearbook of China 1994" for data of 1993

"China Today: Materials and Equipment Circulation" for data of 1981-1991

Note: Data for 1990, 1991 are different from other tables, because of difference of sources.

<Table 10>

TOP 20 UNITS (FIRMS)

(UNIT: R¥' OMIL)

Total Sales		Fixed Assets	
1 上海市汽車工業供銷公司	1009	1 中国物資儲運公司	76
2 中国黑色金屬材料總公司	844	2 広東省深圳市物資總公司	47
3 中国汽車貿易總公司	728	3 中国航空油料總公司	47
4 上海市金屬材料總公司	675	4 中国核工業物資供銷總公司	32
5 中国輕工業物資供銷總公司	601	5 中国鐵路物資總公司	22
6 中国机電設備總公司	558	6 中国電子物資總公司	18
7 中国鐵路物資總公司	530	7 天津市煤建總公司	18
8 広東省深圳市物資總公司	491	8 中国机電設備總公司	17
9 中国有色金屬材料總公司	431	9 上海市建築工程管理局材料公司	15
10 上海市化輕總公司	331	10 中国航空工業供銷總公司	15
11 中国石化物質裝備公司	325	11 上海市物資貿易中心	13
12 中国水利電力物資總公司	309	12 中国石化物質裝備公司	12
13 中国物資儲運公司	306	13 広東省深圳市宏昌実業有限公司	11
14 上海市机電設備總公司	282	14 中国石油物資裝備總公司	11
15 中国石油物資裝備總公司	266	15 中国船舶工業物資總公司	10
16 中国輕工業原材料總公司	241	16 上海市燃料總公司	10
17 上海市燃料總公司	233	17 天津市木材公司	9
18 中国航空油料總公司	232	18 中国紡績物資總公司	8
19 中国郵電器材總公司	222	19 中国木材總公司	8
20 中国紡績物資總公司	195	20 湖北省武漢市煤建總公司	8
Total Profit		Total Member of Employee ('000)	
1 上海市汽車工業供銷公司	31	1 中国物資儲運公司	19
2 広東省深圳市物資總公司	21	2 天津市煤建總公司	11
3 中国机電設備總公司	8	3 上海市燃料總公司	8
4 中国石化物質裝備公司	8	4 上海市建築工程管理局材料公司	5
5 中国冶金進出口攀鋼公司	7	5 中国鐵路物資總公司	5
6 広東省深圳市宏昌実業有限公司	6	6 中国航空油料總公司	4
7 中国物資開發投資公司	6	7 天津市木材公司	4
8 中国汽車貿易總公司	5	8 中国電子物資總公司	4
9 中国鐵路物資總公司	5	9 陝西省西安市燃料總公司	4
10 中国輕工業物資供銷總公司	5	10 沈陽市燃料集團總公司	4
11 中国黑色金屬材料總公司	5	11 中国机電設備總公司	3
12 中国有色金屬材料總公司	4	12 広東省深圳市物資總公司	3
13 天津市煤建總公司	4	13 北京市木材總公司	3
14 上海市化輕總公司	4	14 上海市机電設備總公司	3
15 中国物資儲運公司	4	15 中国航空工業供銷總公司	3
16 上海市燃料總公司	4	16 上海市化輕總公司	3
17 中国郵電器材總公司	4	17 上海市金屬材料總公司	3
18 中国建築材料總公司	4	18 上海市木材總公司	3
19 広東省燃料公司	4	19 黒龍江省哈尔滨市燃料公司	3
20 上海市金屬材料總公司	3	20 上海市住宅建設總公司材料公司	3

Top Sales Companies by Sector

Metals	中国黑色金属材料總公司	844
Machine & Elec.	中国机电設備總公司	558
Vehicles	上海市汽車工業供銷公司	1009
Chemicals	中国輕工物資供銷總公司	601
Fuels	上海市燃料總公司	233
Timber	上海市木材總公司	125
Building Mat.	中国建築材料總公司	106
Trade Centers	上海市物資貿易中心	151
General	中国鐵路物資總公司	530
Others	中国物資儲運公司	306

Top Profit Companies by Sector

Metals	中国冶金進出口攀鋼公司	7
Machine & Elec.	中国机电設備總公司	8
Vehicles	上海市汽車工業供銷公司	31
Chemicals	中国輕工物資供銷總公司	5
Fuels	天津市煤建總公司	4
Timber	山東省烟台市木材總公司	1
Building Mat.	中国建築材料總公司	4
Trade Centers	河北省滄州地区物資貿易中心	1
General	広東省深圳市物資總公司	21
Others	中国物資儲運公司	4

Note: Common Use Character in Japan is used.

Source: See Table 2.