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China Data Documentation

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October 1993

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Table of Contents

1. Introduction

The World Bank data set is a compilation of two enterprise panel data sets gathered by three Chinese institutions: the Institute of Industrial Economics of the Chinese Academy of Social Sciences-Institute of Economics (IE/CASS), the Rural Economy and Research Center of the Ministry of Agriculture (RCRE), and the Economic Management Research Institute of the Chinese Economic System Reform Commission (CESRC).

The data sets which include data on state-owned enterprises (**SOEs**), collective-owned urban enterprise (**COEs**) and township-village enterprises (**TVEs**) were designed to provide a statistical base for investigating the impact of China's economic reforms on the performance and behavior of Chinese industrial enterprises. The first data set which includes both SOEs and urban COEs consists of 1333 enterprises, of which 967 are SOEs and 366 are COEs. The township-village enterprise data set includes 300 TVEs.

The data sets are extensions of two original smaller data sets provide by the Chinese institutions. In order to make the data useful for making comparisons across ownership types and evaluating the impact of specific industrial reforms, the World Bank financed a resurvey of the original enterprises (of which there were approximately 1050) plus an additional 550 that were added to give the overall sample the characteristics needed to carry out the goals of the research program.

This document details key characteristics of each of the expanded data sets, identifies the completeness of the individual and the combined sets of data, and provides technical information concerning how the user can access and interpret the data. Any questions concerning documentation of the data set should be directed to:

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I. The SOE/COE Data Set

The China Economic System Reform Commission maintains a survey of 2000 state-owned and collective-owned enterprises. Within this sample of 2000, a subset of 852 enterprises are surveyed on a quarterly basis. In addition to providing statistical data, these enterprises also respond to supplementary questionnaires. This subset of 852 enterprises is included in the World Bank data set. Among these 832 enterprises, 735 are SOEs, 110 are COEs and 7 fall into the "other" category.

In order to establish a degree of industrial branch and technological uniformity among enterprises, the sample was expanded by 481 enterprises to bring the total sample to 1333 state-owned and collective-owned enterprises.

The procedure for selecting the original 2000 enterprises set was two-staged. First, among the 30 cities participating in the survey, each contributed to the sample in proportion to its share of industrial output in the total output of the 30 cities. Second, after the number of enterprises for each city was determined, the city total was then distributed among the 39 industrial branches using as weights the value of output of each branch in total industrial output.

For the purpose of rationalizing the sample and creating greater uniformity with the sample of township-village enterprises, an additional 481 SOEs and urban COEs were selected principally from seven three-digit industries that were reasonably represented in the original sample of 852 enterprises. The ownership mix of the additional 481 enterprises results in a total of 967 SOEs and 366 COEs. The three-digit industries for which there is a relatively high degree of representation among the three ownership types are: coal (081), clothing manufacturing (241), paper manufacturing (282), daily-use chemicals (377/378), cement manufacturing (451), daily-use metal fabrication (519/521), and daily-use electrical appliances (586).

The firm size distribution of the combined SOE and COE sample is shown in Table 1 and the distribution across the 39 industrial branches is shown in Table 2. The geographical distribution of the 30 cities is shown in table 4.

A list of the statistical variables collected from the SOE and COE enterprises and their variable names (A31-A152 and Q1-B15) is included in Part 3.A of the document. For all 1333 enterprises, both the original set of 852 enterprises and the additional 481 enterprise, these data were collected for the years 1986-1990. A description of 23 historical variables collected for the years 1980-85 appears in Part 3.B.

A list of questions that appear in the Manager's Survey and their variable names (V1-V204) are shown in in Part 4.

IV. The TVE Data Set

The Rural Economy Research Center (RCRE) originally surveyed 200 collective-owned enterprises in 1986. The sample consists entirely of township and village enterprises (TVEs) comprising a panel covering a time series from 1984 to 1989. The sample selection procedure involved the selection of 319 counties within each of 20 provinces. Each of the counties identified its 3-5 largest TVE enterprises, thus creating a pool of 1264 enterprises. From the pool, 20 enterprises were randomly drawn from the enterprises belonging to each of the 10 provinces. The total size of the survey was therefore 200 enterprises.

Because a central objective of the research project is to compare the behavior and performance of enterprises by ownership type, as with the SOE-COE data set, it was necessary to expand the TVE data set to achieve a degree of institutional branch and technological uniformity with the SOE-COE data set. Accordingly, an additional 100 township-village enterprises were added to the original sample of 200 enterprises to establish a total sample of 300 TVEs. As with the additional state-owned and collective-owned enterprises, these were drawn principally from seven three-digit industries.

The distribution of the TVEs across industrial branches is shown in Table 2. The geographical distribution is shown in Table 3. Data that collected from the TVE survey are descripted in two locations. First, a complete set of the TVE data -- both the statistical survey and the manager survey -- are listed in the Appendix. Second, in order to facilitate comparison of the SOE-COE data set and the TVE data set, in cases where comparable data were collected from both SOE-COEs and from TVEs, the TVE variable names are listed in parentheses in Parts 3 and 4 where the SOE-COE data sets are described. For example, within the SOE-COE data set, the gross value of industrial output in 1980 prices is tagged as "A31". The comparable variable in the TVE data set is "gvio80".

For the original 200 enterprises, a complete set of statistical data were collected for the years 1984-1990. For the additional 100 enterprises, the complete series was collected only for the years 1988-90. The more limited set of historical data was collected for the earlier years.

2. General Information

Table 1. Key Characteristics of the Data Sets

Features	SOE	COE	TVE	COMBINE
#Enterprises	967	366	300	1633
#Large Enterprises	311	18	0	329
#Medium-sized	377	59	0	436
#Small Enterprises	279	289	300	868
Major Periods Surveyed	86-90	86-90	84-90	
Historic Data Period	80-85	80-85	75-83	
#Provinces Surveyed	26	26	15	26

Table 2. Distribution of SOEs, COEs and TVEs by Industry

Industry	Code	#SOE	#COE	#TVE
Coal mining and dressing	8	39	19	15
Petroleum and natural gas extraction	9	1		
Ferrous metals mining and dressing	10	1		2
Nonferrous metals mining and dressing	11	2		1
Building materials and other metals mining	12	7		6
Salt mining	13	2		
Production and supply of running water	16	11		
Food	17/18	37	4	16
Beverage	19	29	1	3
Tobacco	20	15		
Feed (forage) processing	21	6		
Textiles	22	69	1	29
Clothing	24	26	45	25
Leather,furs and manufactured goods	25	11	6	6
Timber processing&bamboo, cane, palm fibre&straw products	26	12		1
Furniture	27	3	10	4
Paper-making and manufactured goods	28	39	25	9
Printing	29	34	18	

Cultural, educational and sports articles	30	9	2	
Arts and craft	31	3	7	3
Power generation, steam and hot water production and supply	33	9	1	1
Petroleum processing	34	8	1	
Coke, gas & coal-related products	35	5		1
Chemicals	36/37	76	26	29
Medical and pharmaceutical products	38	46	13	3
Chemical fibers	40	14		2
Rubber manufactured goods	41/42	33	19	2
Plastics manufactured goods	43/44	28	32	3
Building materials and other non-metal mineral products	45/46	65	21	57
Smelting and pressing of ferrous metals	48	28	2	4
Smelting and pressing of nonferrous metals	49	17	1	3
Metal products	51/52	45	30	30
Machine building	53-55	68	7	13
Transport equipment manufacturing	56	43	10	2
Electric machinery and products	58	53	40	24
Electronic and communication products	60/61	36	6	4
Instruments manufacturing	63	37	17	2

Table 3. Distribution of SOEs, COEs, and TVEs by Province

Province	#SSB	#COE	#TVE	Code for TVE
Beijing	55	37		
Shanghai	48	3	26	12
Tianjin	36	2		
Hebei	38	33	20	6
Shanxi(Taiyuan)	51	16	20	8
Neimenggu	21	11		
Liaoning	70	11	20	7
Jilin	20	2		
Heilongjiang	44	24	16	11
Shanxi(Xi'an)	28	3		
Gansu	25		20	9
Qinghai	20	6		
Shandong	50	33	22	15
Jiangsu	63	38	20	4
Anhui	24	3	20	5
Zhejiang	26		20	3
Fujian	25	24	20	14
Jiangxi	21	2		
Henan	38	7		
Hubei	52	7	20	0
Hunan	40	6		
Guangdong	42	11	20	2
Gangxi	21	4	16	13
Sichuan	64	29	20	1
Guizhou	24	28		
Yunnan	21	26		
Total	967	366	300	

Table 4. Distribution of SOEs and COEs by City

City	Code	#SOE	#COE	City	Code	#SOE	#COE
Beijing	1	55	37	Siping	22	20	2
Shanghai	2	48	3	Wuxi	23	20	4
Tianjin	3	36	2	Changzhou	24	18	5
Harbin	4	26	4	Kaifeng	25	16	3
Shenyang	5	31	4	Yantai	26	17	7
Dalian	6	21	2	Xiangfan	27	22	4
Wuhan	7	30	3	Hengyang	28	18	2
Guangzhou	8	26	5	Liuzhou	29	21	4
Chongqing	9	35	3	Foshan	30	16	6
Xi'an	10	28	3	Datong	41	27	12
Qingdao	11	16	6	Fuzhou	42	25	24
Shijiazhuang	12	22	6	Hohhot	43	21	11
Zhengzhou	13	22	4	Zibo	44	17	20
Changsha	14	22	4	Qiqihar	45	18	20
Hangzhou	15	26		Nanjing	46	25	29
Hefei	16	24	3	Guiyang	47	24	28
Nanchang	17	21	2	Kunming	48	21	26
Lanzhou	18	25		Chengdu	49	29	26
Xining	19	20	6	Tangshan	50	16	27
Taiyuan	20	24	4				
Anshan	21	18	5	Total		967	366

3. Description of Statistical Variables for the SOE-COE survey (and the TVE survey)*

A. Statistical Variables

Code(code)		Code of Enterprise.
Year(year)		Year in which data were recorded.
Ownershi(ownershi)		Ownership; 1=state-owned; 2=collectively-owned; 3=other.
Industry(industry)		Industry code; see table 2 for details.
Scale(n.a.)		Size of enterprise; 1=large; 2=medium; 3=small.
Rela(n.a.)		Affiliation with the government; * 1=Central government; 2=Province; 3=municipal; 4=district; 5=other.
Manage(n.a.)		Type of management contract responsibility system; * 1=share; 2=contract; 3=lease; 4=responsibility of assets operating
A31(gvio80)	THY	Gross value of industrial output at 1980 price
A32(gvio)	THY	Gross value of industrial output at current price
A33(n.a.)	THY	Of which: Output under the State plan
A34(n.a.)	THY	Net value of industrial output at current price
A35(n.a.)	THY	Total production cost
A36[1]	THY	Of which: Materials purchased
A37[2]	THY	Fuels purchased
A38[3]	THY	Power purchased
A39(n.a.)	THY	Wage
A40(n.a.)	THY	Employee welfare funds
A41(fc3)	THY	Depreciation
A42(fc2)	THY	Maintenance funds for major repairs
A43(fc1)	THY	Interest payment
A44(pict)	THY	Tax payment
		Other expenditures,
A45(n.a.)	THY	of which: Materials
A46(n.a.)	THY	Non-materials
A47(psr)	THY	Total Product Sales Revenue
A48(n.a.)	THY	Of which: Revenue from direct sales by enterprise * All TVE sales done by enterprises themselves
A49(rep)	THY	Of which: Revenue from export
A50(rep2)	THY	Of which: direct export by enterprise

*Codes for comparable TVE variables are in parentheses.
**THY = ten thousand yuan.

1. bime + pme - eime - (biv1 + pv1 - eiv1) - .. - (biv5 + pv5 - eiv5)

2. (biv3 + pv3 - eiv3) + (biv4 + pv4 -eiv4)

3. biv5 + pv5 - eiv5

A51(rfe)	THY	Retained foreign exchange earnings(US Dollar)
A52(n.a.)	THY	Sales tax
A53(fc)	THY	Factory costs
A54(sc)	THY	Marketing and other costs
A55(n.a.)	THY	Of which: Technology transfer cost
A56(n.a.)	THY	Technology development cost
A57(n.a.)	THY	Product sales profit
A58(rbb)	THY	Non-operating revenue
A59(ebb)	THY	Non-operating expenditure
A60(n.a.)	THY	Resources tax
A61(tprofit)	THY	Total profit
A62(n.a.)	THY	Single item retained profit
A63(n.a.)	THY	Loan payment before tax
A64(n.a.)	THY	Profit payment and tax due
A65(intax)	THY	Of which: Income tax
A66(tpr)	THY	Total retained profits
A67(tpr2)	THY	Of which: For production expansion fund
A68(n.a.)	THY	For New product development fund
A69(n.a.)	THY	For Reserve fund
A70(tpr3)	THY	For Welfare fund
A71(tpr4)	THY	For Bonus fund
A72(rw)	THY	Total employees' wage
A73[4]	THY	Of which: Hour rate wage
A74	THY	Piece rate wage
A75(rw2)	THY	Bonus
A76(n.a.)	THY	Subsidies and allowances
A77(rw3)	THY	Others
A78(aim+aid)	THY	Of which: Total wage of management staff
A79(n.a.)	Person	Yearly Average number of employees
A80(n.a.)	THH	Total working hours
A81(n.a.)	THH	Total stoppage hours
A82(nre)	Person	Reduction in number of employees in the year
A83(n.a.)	Person	Of which: Transferred
A84(n.a.)	Person	Resigned
A85[5]	Person	Dismissed
A86	Person	Expelled
A87(nre2)	Person	Retired
A88(nad)	Person	Increase in number of employees at year-end
A89(n.a.)	Person	Of which: Transferred
A90(n.a.)	Person	Assigned by the state
A91(n.a.)	Person	Recruited by the enterprise
A92(tye)	Person	Total employees at year-end
A93(nls)	Person	of which: Temporary
A94(tye1)	Person	Workers
A95(tye6)	Person	Apprentices

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4. rw1 = A73 + A74

5. nre1 = A85 + A86

A96(tye2)	Person	Technicians
A97(tye5)	Person	Management
A98(tye4)	Person	Of which: purchasing person
A99(n.a.)	Person	Service staff
A100(n.a.)	Person	Others
A101(tre)	Person	Total retired employees by year end
A102(twre)	THY	Total wage of retired employees
A111(ifa)	THY	Total fixed assets investment completed
A112(ifa1+ifa2)	THY	(1) productive investment
A113(ifa1)	THY	Of which: Equipment, tools and instruments
A114(n.a.)	THY	(2) nonproductive investment
A115(ifa3)	THY	Of which: Housing
A116(n.a.)	THY	Total fixed assets
A117(ovfa)	THY	Original value of fixed assets at year-end
A118(ovfa1+ovfa2)	THY	(1) productive OVFA
A119(ovfa1)	THY	Of which machinery and equipment
A120(n.a.)	THY	(2) nonproductive OVFA
A121(ovfa3)	THY	Of which housing and other buildings
A122(n.a.)	THY	Long-term investment
A123(nvfa)	THY	Net value of fixed assets at year-end
A124(n.a.)	THY	Loss of fixed assets to be processed
A125(qcc+nqcc)	THY	Total circulating capital (uses)
A126(qcc)	THY	(1)Quota of circulating capital used at year end
A127(qcc1)	THY	Of which: Reserve fund
A128(qcc2)	THY	Working capital
A129(qcc4)	THY	Finished goods
A130(n.a.)	THY	(2)Other circulating capital
A131(n.a.)	THY	Of which: Goods in shipment
A132(n.a.)	THY	Prepayment & receivables
A133(n.a.)	THY	Uncovered loss
A134(n.a.)	THY	Total special assets
A135(msfa)	THY	Total fixed capital investment in current year
A136(n.a.)	THY	Of which: Within State budget
A137(n.a.)	THY	Domestic loans
A138(msfa7)	THY	Foreign capital
A139(msfa3)	THY	Total self-raised capital
A140(msfa8)	THY	Other capital
A141(n.a.)	THY	Of which: issues stocks and bonds
A142(n.a.)	THY	Total fixed capital
A143(n.a.)	THY	Of which: From the State
A144(n.a.)	THY	From enterprise
A145(n.a.)	THY	Fixed capital to be transferred
A146(n.a.)	THY	Investment from other enterprises
A147(n.a.)	THY	Total Circulating capital
A148(n.a.)	THY	Of which: From the State
A149(n.a.)	THY	From enterprise
A150(n.a.)	THY	From borrowing
A151(n.a.)	THY	Payable & advance payment
A152(n.a.)	THY	Total special capital
Q1(n.a.)		Consumed volume of No.1 Raw material
M1(n.a.)		Planning price of No.1 Raw material

A41 / A123

A146+A150

P1(n.a.)		Market price of No.1 Raw material
Q2(n.a.)		Consumed volume of No.2 Raw material
M2(n.a.)		Planning price of No.2 Raw material
P2(n.a.)		Market price of No.2 Raw material
Q3(n.a.)		Consumed volume of No.3 Raw material
P3(n.a.)		Planning price of No.3 Raw material
M3(n.a.)		Market price of No.3 Raw material
Q4(n.a.)		Consumed volume of No.4 Raw material
P4(n.a.)		Planning price of No.4 Raw material
M4(n.a.)		Market price of No.4 Raw material
Q5[6]	Ton	Consumed volume of Coal
P5(apme1)		Planning price of Coal
M5(amme1)		Market price of Coal
Q6(n.a.)	Ton	Consumed volume of Fuel
P6(n.a.)		Planning price of Fuel
M6(n.a.)		Market price of Fuel
Q7(n.a.)	THM	Consumed volume of Gas
P7(n.a.)		Planning price of Gas
M7(n.a.)		Market price of Gas
Q8[7]	THWH	Consumed volume of Electricity
P8(apme3)		Planning price of Electricity
M8(amme3)		Market price of Electricity
B1(vp1)		Quantity of No.1 principal product
B2(n.a.)		State plan quantity of No.1 principal product
B3(pc1)		Production capacity of No.1 principal product
B4(n.a.)		Plan price of No.1 principal product
B5(n.a.)		Average market price of No.1 principal priduct
B6(vp2)		Quantity of No.2 principal product
B7(n.a.)		State plan quantity of No.2 principal product
B8(pc2)		Production capacity of No.2 principal product
B9(n.a.)		Plan price of No.2 principal product
B10(n.a.)		Average market price of No.2 principal priduct
B11(vp3)		Quantity of No.3 principal product
B12(n.a.)		State plan quantity of No.3 principal product
B13(pc3)		Production capacity of No.3 principal product
B14(n.a.)		Plan price of No.3 principal product
B15(n.a.)		Average market price of No.3 principal product

B. Historical Variables

Variable Name	Unit	Description
Code(code)		Code of Enterprise. * SSB code is from 100 through 5300.
Year(year)		Year in which data were recorded.
Ownershi(ownershi)		Ownership; 1=state-owned; 2=collectively-owned;

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6. $Q5 = biq1 + pq1 - eiq1$

7. $Q7 = biq5 + pq5 - eiq5$

		3=other.
Industry(industry)		Industry code; see table 2 for details.
Scale(n.a.)		Size of enterprise; 1=large; 2=medium; 3=small. * all TVE enterprises are considered small-sized.
A1(n.a.)	THY	Gross value of industrial output at 1980 price.
A2(gvio)	THY	Gross value of industrial output at current price,
A3(n.a.)	THY	Of which: Output under the State plan
A4(n.a.)	THY	Net value of industrial output at current price
A5(psi)	THY	Total Product Sales Revenue
A6(n.a.)	THY	Of which: Revenue from export
A7(n.a.)	THY	Factory costs
A8(tprofit)	THY	Total profit
A9(rprofit)	THY	Total retained profit
A10(n.a.)	THY	Value of consumed material
A11(n.a.)	THY	Of which: Materials purchased
A12(n.a.)	THY	Fuels purchased
A13(n.a.)	THY	Power purchased
A14(n.a.)	THY	Depreciation
A15(ovfa)	THY	Original value of fixed assets at end of period
A16(n.a.)	THY	Of which: Productive OVFA
A17(n.a.)	THY	Net value of fixed assets at end of period
A18(wage)	THY	Total employees' wage
A19(n.a.)	THY	Of which: Bonus
A20(labor)	Person	Total employees at year-end
A21(n.a.)	Person	Of which: Workers
A22(n.a.)	Person	Technician
A23(n.a.)	Person	Management

4. Industrial Enterprise Manager Questionnaire for SOEs and COEs (and TVEs)*

April 1992

A. Enterprise name: ____________V1(A1, A2)

B. Industry code: _______________V2(B2)

C. Date production began: year____V3(C1)

D. Enterprise size (check one) V4 (N.A. for TVE)
1. large __; 2. middle __; 3. small __.

E. Relations of Subordination (check one):V5(E1)
1. Central Govt' __
2. Province __
3. City(Prefecture) __
4. County(District) __

F. Ownership type (check one):V6(F1)
1. State __
2. Collective __

4. Chinese-foreign joint venture __
5. Other (explain) ______________________________

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*The equivalent codes for the TVE questionnaire are shown in parentheses. The complete TVE manager's questionnaire appears in the appendix.

1. Which type of management system was in force in each of the following years?

   a. Share system
   b. Contract responsibility system
   c. Leasing
   d. Capital asset management responsibility system(N.A.)
   e. Other

   1984 _____V7(Q1_1); 1985 _____V8(Q1_2); 1986 _____V9(Q1_3);
   1987 _____V10(Q1_4); 1988 _____V11(Q1_5); 1989 _____V12(Q1_6);
   1990 _____V13(Q1_7).

2. According to your current management system, the form of profit distribution is (check one and if relevant give rates) V14(Q2_1); V15(Q2_2)(if suitable)

   (1) Contract for profit quota and share above-quota profit (Above quota retaining rate is ___________) 250
   (2) Contract for fixted amount of profit, retain all above-quota profit ____. 135
   (3) Contract (or share) profits at a progressive rate (the progressive rate is ________) ____. 151
   (4) Contract for reduction of losses (or sharing) ____. 79
   (5) Two guarantees and one link ____.(N.A. for TVE) 169
   (6) Second stage tax for profit ____.(N.A. for TVE) 92
   (5T) Handing in total profit ____.(N.A. for SSB)
   (6T) Other ____.(N.A. for SSB)

3. Rank the three most important provisions of your contract:V15

   (1) Quantity and value of output, product variety and quality, and labor productivity
   (2) Total realized profit and tax
   (3) Profit delivery and tax payment to the state
   (4) Development of new products
   (5) Construction and technical innovation, and acquisition of new assets
   (6) Reduction of losses and repayment of loans
   (7) Earning foreign exchange
   (8) Upgrading the enterprise
   (8T) Sales revenue (N.A. for SSB)

(9T) Other ______ (N.A. for SSB)

No.1 ____V16(Q3_1); No.2 ____V17(Q3_2); No.3 ____V18(Q3_3).

4. Give the total profit target and the target for retained profit (separately) for every year 1986 through 1992 (in ten thousand yuan)

	profit target	target for retained profit
1986	____________V19(Q4_11)	____________V26(Q4_11*Q4_21)
1987	____________V20(Q4_12)	____________V27(Q4_12*Q4_22)
1988	____________V21(Q4_13)	____________V28(Q4_13*Q4_23)
1989	____________V22(Q4_14)	____________V29(Q4_14*Q4_24)
1990	____________V23(Q4_15)	____________V30(Q4_15*Q4_25)
1991	____________V24(Q4_16)	____________V31(Q4_16*Q4_26)
1992	____________V25(Q4_17)	____________V32(Q4_17*Q4_27)

5. How many years is your current contract? ________V33(Q5_1)
In what year did it take effect? ________V34(Q5_2)

6. How many years was your previous contract _____V35(Q6_1)?

7. Contractor(s) of the enterprise (check one)

	current contract V36(Q7_1)	previous V37(Q7_2) (if applicable)
(1) Director or other person	58	____
(2) Group	149	____
(3) All personnel	139	____
(4) Other (explain)	10	____

8. Is property mortgage included in the contract?

	current contract V38(Q8_1)	previous V39(Q8_2) (if applicable)
(1) Yes	166	____

(2) No 660 ____

If yes, the mortgager is: V40(Q8_31) V41(Q8_41)

(1) Individual ____ ____
(2) Group ____ ____
(3) All personnel ____ ____

Total mortgage value ____V42(Q8_32/10000) ____V43(Q_42/10000)
(ten thousand yuan)

9. Form of your loan repayments? V44(Q10_3)

(1) Before paying tax ___; (2) After paying tax ___;
(3) Both ___; of which: before paying tax ____%;V45(N.A. for TVE)
after paying tax ____%.V46(N.A. for TVE)

10. Is your total payroll linked to profit and taxes? V47(Q11_1)

(1) Yes ___ (2) No ___

If yes, what is it linked to? V48(Q11_2)
(1) linked to realization of profit and taxes
(2) linked to profit and taxes handed over to the state

Ratio of linkage: if profit and taxes increase by ____ %,
V49(Q11_31) wages increase by ___ % V50(Q11_32)

In which year did this arrangement begin? _______V51(Q11_33)

11. In which year were you appointed director? _______ V52(Q12_1)
How you become director? (choose one)V53(Q12_2)

(1) Appointed by supervisory department ___
(2) Elected by employees' congress ___
(3) Bidding ___
(4) Recommended by contractors ___
(5T) Other _____ (N.A. for SSB)

12. Indicate who has the decision-making authority with respect to the following:
(fill in A, B, C or D in each blank)

A. Supervisory department decides 75% 0
B. Through consultation between enterprise and supervisory department
C. Enterprise decides 25% 1 0 3

(a) Production plan ____V54(Q13_1) 257 405 268

 1 2 3

(b) Appointment of factory leader ____V55(Q13_2) 152 166 10
(c) Recruitment of new employees ____V56(Q13_3) 254 463 209
(d) Dismissal of employees ____V57(Q13_4) ←96 235 560
(e) Setting bonus level ____V58(Q15_5) ←175 108 580
(f) Setting difference of employees' wage ____V59(Q13_6)←329 179 393
(g) Setting difference of employees' bonus ____V60(Q13_7) 21 40 553
(h) Investment and expansion of production capacity 251 ~~401~~ ~~125~~
____V61(Q13_8) ←
91 241 532 (i) Constructing employees' housing ____V62(N.A. for TVE)
(It) Distributing and using of retained profit (Q13_9, N.A. for SSB)
(j) Sell idle equipment ____V63(Q13_10) 68 287 550
(k) Joining an enterprise group ____V64(Q13_11) 255 376 221
(l) Merging with another enterprise ____V65(Q13_12)
473 313 557

13. Level of limitations placed on you by your supervisory body in your product sales:

A. No limit; B. Somewhat limited; C. Completely limited

(1) Setting prices ____V66(Q14_1) 181 500 243
(1T) Determining sale structure ____ (Q14_2, N.A. for SSB)
(2) Identifying specific customers ____V67(Q14_3) 694, 183, 45
(3) Specifying sales area ____ V68(Q14_4)
712 166 46

Level of limitations placed on you by your supervisory body in your purchases of raw materials:

A. No limit; B. Somewhat limited; C. Completely limited

(1) Specifying or limiting prices paid ____V69(Q15_1) 619 223 74
(2) Determining quantity or quality of purchases ____V70(15_6) 550 26
632, 245, 38 (3) Identifying specific suppliers ____V71(Q15_3)
(4) Specifying procurement area ____V72(Q15_7) ← 721 150 42

14. If you have financial difficulties, does the bank continue to make loans to you? V73(Q16_1)

Yes ____; No ____

If yes, what kind of help?

(1) Delay loan payment ____ V74(Q16_21)
(2) Obtain a new loan to pay off the old one ____V75(Q16_22)
(2T) Loan payment can be exempt from tax(Q16_23, N.A. for SSB)
(3) Other (specify) ________________V76(Q16_24)

15. Have you ever amended any provisions of your contract before its expiration? V77(Q9_1)

(1) yes ___ (2) no ___

If yes, what were they?

Year(s) applicable

(1) Reduction of profit handed in ___V78(Q9_21) ______________
(2) Reduction of tax payment ___ V79(Q9_22) ______________
(3) Cut in state-planned product ___V80(N.A. for TVE) ______________
(4) Others V81(Q9_23) ______________

16. Within the factory, if you meet following problems, how do you make decisions?
(fill A, B, C or D in each blank)

A. Decide by yourself entirely
B. Director and other factory leaders talk things over together
C. Talk with the Party Committee
D. Decide by employees congress

(a) Production plan ____V82(Q17_1)
(b) Appointment of vice directors ____V83(Q17_2)
(c) Appointment of middle level cadres ___V84(Q17_3)
(d) Recruitment of new employees ____V85(Q17_4)
(e) Dismissal of employees ____V86(Q17_5)
(f) Setting bonus levels ____V87(Q17_6)
(g) Setting bonus differences among employees ____V88(Q17_7)
(h) Setting wage differences among employees ____V89(Q17_8)
(i) Allocation and use of retained profits ____V90(Q17_9)
(j) Investment and expansion of production ____V91(Q17_10)
(k) Construction of employee housing ____V92(Q17_11)
(l) Temporary suspension of production ____V93(Q17_12)
(m) Produce new products ____V94(Q17_13)
(n) Join an enterprise group ____V95(Q17_14)
(o) Merge with another enterprise ___V96(Q17_15)
(p) Raise funds ____V97(Q17_16)

17. What influence do workers have over the following decisions?
Rank by the following:
A. no influence B. some influence C. considerable influence
(fill one of A, B and C in each blank)

(a) Appointing the enterprise's leadership ___V98(Q18_1) 3 7 650
(b) Hiring and firing workers ___V99(Q18_2)
(c) Allocating wages and bonuses ___V100(Q18_3)
(d) Allocating workers within the factory ___V101(Q18_4)
(e) Allocating housing ___V102(N.A. for TVE)
(f) Decision of large investment __ V103(Q18_6)

18. How do the following incentives affect the work effort of your employees?
Rank the following forms of incentives.
A. most effective B. moderately effective C. not effective
* 1 not effective 2 moderately effective 3 most effective for TVE *
(fill A, B, or C in each blank)

(a) raise in wage and bonus V104(Q19_1)
(b) piece-rate wage V105(Q19_2)
(c) promotion V106(Q19_3)
(d) praise in public V107(Q19_4)
(e) priority in getting housing V108(Q19_5)
(f) priority in having their children employed V109(Q19_6)
(g) Division of contract quotas at several levels, wage & bonus tied to person's performance V110(Q19_7)

19. Is there an internal wage system in your enterprise?

Yes ____, No ____. V111(Q21_1) If yes, in which year was it started?__________.V112(Q21_2)

20. What wage system is used in your enterprise?

(1) Piece-rate wage ___V113
(2) Time wage ___V114
(3) Wage & bonus tied to profit & tax payment ___V115
(4) Internal wage system ___V116
(Q22)

21. Bonus ceiling set by enterprise is ____ hundred yuan. V117(N.A. for TVE)

22. In 1990 did you pay a bonus tax? Yes ___; No ___.V118(Q24_1)
If yes, how much did you pay? ____________________.V119(Q24_2)

23. What types of employees are in excess supply or in shortage?

A. Serious shortage, B. Moderate shortage, C. Balance,
D. Moderate excess supply, E. Severe excess supply.
(fill one of A, B, C , D and E in each blank)

(a) Management ____V120(Q25_1)
(b) Technician ____V121(Q25_2)
(c) Apprentices ____V122(Q25_3)
(d) Skilled workers ____V123(Q25_4)
(e) Front line workers ____V124(Q25_5)
(f) Service staff ____V125(Q25_6)

24. Have you implemented the optimum labor combination program?

(1) Yes ___, (2) No ___. V126 (N.A. for TVE)
If yes, when did it begin? ______.V127(N.A. for TVE)
Its share of total labor is _____%? V128(N.A. for TVE)

Please evaluate the result? (choose one) V129(N.A. for TVE)

(1) Extremely effective ___
(2) Modestly effective ___
(3) Not effective ___

25. As part of the optimal labor combination program, how did you reassign the redundant workers?

(1) Created new job opportunities (e.g. service companies)____% V130(Q27_1)
(2) Persuaded workers to retire early ____%V131(Q27_2)
(3) Requested labor employment dept. to locate jobs ____% V132(Q27_3)
(4) Asked workers to find new jobs by themselves____% V133(Q27_4)

26. Rank the relative importance of the following factors in determining your product prices.
A. very important B. important C. not important
(fill one of A, B or C in each blank)

(a) govt price regulation ___V134(Q28_1)
(b) product cost ___V135(Q28_2)
(c) market supply-demand conditions ___V136(Q28_3)
(d) price of similar product in other enterprise ___V137(Q28_4)

27. If the price of your principal product increased 10%, by how much would you expect sales volume to fall? (check one) V138(Q29)

1. no change ___;
2. fall by less than 10% ___;
3. fall by more than 10% ___.

28. If your answer to #27 above is (1) no change or (2) less than 10%, then why do you not raise your price?

Rank the importance of the following reasons
A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) Price is controlled by the government ___V139(Q30_1)
(b) If we increase the price of our product, it could stimulate material price increasing ___V140(Q30_2)

(c) Other benefits will reduce. ___V141(Q30_3)
(d) Sales and capacity utilization would fall. ___V142(Q30_4)

29. During the past 3 years, has your production supply exceeded demand thus causing inventory buildup?

Yes ____; No ____ V143(Q31_1)

If the answer is yes, rank the relative importance of the measures used to adjust to insufficient demand.

A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) Decreased output but continued production ___V144(Q31_21)
(b) Temporarily stopped production ___V145(Q31_22)
(c) Reduced prices ___V146(Q31_23)
(d) Improved product quality ___V147(Q31_24)
(e) Strengthened sales effort and improved service ___V148(Q31_25)
(f) Converted to other products ___V149(Q31_25)
(g) Government purchase exceeding inventories ___V150(Q31_27)

30. In general, are your prices lower, higher or about the same as your principal competitors? V151(Q32_1)

(1) Lower ____
(2) Higher ____
(3) About the same ____ (skip to question #31)

If your market prices are lower relative to your principal competitors, specify by checking the following.

(1) lower material and energy cost ___V152(Q32_11)
(2) have a larger market share ___V153(Q32_12)
(3) regulated by supervisory body or price bureau ____V154(Q32_13)
(4) lower quality ____V155(Q32_14)

If your prices are higher relative to your competitors, specify by checking the following

(1) higher material and energy cost ___V156(Q32_21)
(2) demand exceeds supply ___V157(Q32_22)
(3) regulated by supervisory body ____V158(Q32_23)
(4) excellent quality ___V159(Q32_24)

31. Do you currently have investment opportunities which promise a high rate of return but which you have been unable to carry out?

(1) Yes ____ (2) No ____ V160(Q33_1)

If your answer to the above is "Yes", what factors have limited your ability to investment?
A. not limited B. most limited C. limited
(fill one of A, B or C in each blank)

(a) industrial policy ___V161(Q33_21)
(b) insufficient self finance ___V162(Q33_22)
(c) insufficient bank loans ___V163(Q33_23)
(d) investment goods in short supply ___V164(Q33_24)
(e) investments are too risky ___V165(Q33_25)
(f) lower work efficiency of government dept. ___V166(Q33_26)

32. If you have invested in another enterprise, what factors motivated this decision?
A. not important B. very important C. important
(fill one of A, B or C in each blank)

(a) expand product sales ___V167(Q34_1)
(b) obtain raw material and energy for production ___V168(Q34-2)
(c) expand production capacity ___V169(Q34_3)
(d) reduce production costs ____V170(Q34_4)
(e) technical cooperation with other enterprises ___V171(Q34_5)
(f) share profits with other enterprises ___V172(Q34_6)
(g) expand food supply ___V173(N.A. for TVE)
(h) secure job opportunities for family memebers of employees ____V174(Q34_7)

33. Rank your 3 most important management objectives

(1) increase output, expand scale
(2) increase profit
(3) create job opportunities for employees' dependents
(4) increase employees' incomes
(5) fulfill contract target
(6) upgrade enterprise
(7) use local resources(N.A. for TVE)

No.1 ___ V175(Q35_1) No.2 ___ V176(Q35_2) No.3 ___ V177(Q35_3)

34. Is there competition between you and other enterprises within the industry?
Yes ___; No ___. V178(Q36_1)

If yes, describe the degree of competition V179(Q36_2)
(1) highly competitive ___
(2) moderately competitive ___
(3) little competition ___

35. Does your enterprise find it difficult to compete within your industry? Yes ____; No ____. V180(Q37)
If your answer is "yes",
please rank the 3 most important reasons.

(1) poor product quality
(2) higher price of product
(3) large share of plan product(N.A. for TVE)
(4) out-dated production technology and equipment
(5) poor sales and marketing arrangements
(6) insufficient market information
(7) inconvenient transportation
(8) poor performance in new product development
(9) lack of name recognition for the enterprise

No.1 ___ V181(Q37_1) No.2 ___ V182(Q37_2) No.3 ___ V183(Q37_3)

36. Are you currently producing money-losing products?

Yes ___; No___. V184(Q38_1)

If yes, for how long? ___________V185(Q38_2)
In 1990, what percent of total output value did they represent ____% V186(Q38_5)
In 1988, what percent of total output value did they represent ____% V187(Q38_3)

37. If you produce money-losing products, it is due to
(1) operating loss ____ (2) policy-related loss ____ V188(N.A. for TVE)

If it is due to operating loss, rank the relative importance of the following factors as causes of the loss.

A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) Shortage of advanced technology ____V189(N.A. for TVE)
(b) losses are useful for obtaining policy-related subsidies or other benefits ___V190(Q39_1)
(c) extremely competitive markets ___V191(Q3(-5)
(d) hard to use or reassign excess staff ___V192(Q39_6)
(e) money-losing product is a by-product of a profitable product ___V193(Q39_7)

38. What are the major obstacles you face in your efforts to raise production efficiency? Identify the three most important factors.

(1) shortage of raw material inputs
(2) shortage of electricity and other energy inputs
(3) not enough technicians and skilled workers
(4) lack of good managers
(5) lack of effective incentives
(6) poor market conditions
(7) shortage of capital or technology
(8) too much production under mandatory plan(N.A. for TVE)
(9) lack of right to set price and production
(10) excessive profit handed over to the state
(11) little authority over personnel
(12) Out-date equipment

No.1 _____V194(Q40_1); No.2 _____V195(Q40_2); No.3 _____V196(Q40_3).

39. As a share of your gross value of industrial output in 1990,

(1) products introduced in 1980 account for____% V197(N.A. for TVE)
(2) products introduced in 1981-1984 account for ____% V198(N.A. for TVE)
(3) products introduced since 1985 account for _____% V199(N.A. for TVE)

40. Share of your major equipment category by time

(1) Before 1949 _____ % V200(N.A. for TVE)
(2) 50's & 60's _____ % V201(N.A. for TVE)
(3) 70's _____ % V202(N.A. for TVE)
(4) 80's _____ % V203(N.A. for TVE)

If we purchase current equipment according to current price, current value is ____ times of original value. V204

5. Data Format

a. Panel data organization

Enterprise code	year	variables
101	86	....
101	87	....
....		
101	90	....
102	86	....
....		
102	90	....
....		
5198	90	....

b. Data files

i. SOE and COE data file

Historical data, 1980 through 1985

File name: SSBH1.WK1 (including following variables)

Code Year Industry Ownershi Scale and A1 through A11

File name: SSBH2.WK1 (including following variables)

A12 through A23

Completed Survey data, 1986 through 1990

File name: SSB1.WK1

Code Year Industry Ownershi Scale Rela Manage Assoc

A31 through A41

File name: SSB2.WK1

A42 through A60

File Name: SSB3.WK1

A61 through A79

File name: SSB4.WK1

A80 through A98

File Name: SSB5.WK1 A99 — A126

A111 through A121, 123, A125 and A126

File Name: SSB6.wk1

A127 through A132, A134, A138, A139, A142 through A150

File Name: SSB7.WK1

A151, A152, Q1, P1, M1, Q2, P2, M2, Q3, P3, M3, Q4, P4, M4

Q5, P5, M6 and Q6

File Name: SSB8.WK1

P6, M6, Q7, P7, M7, Q8, P8, M8 and B1 through B10

File Name: SSB9.WK1

B11 through B15

Questionnaire Data, Cross Section

File Name: SSBQ1.WK1

V1 through V89

File Name: SSBQ2.WK1

V90 through V180

File Name: SSBQ3.WK1

V181 through V204

6. Completeness of Data

a. SOE-COE Historic data

variable	missing	variable	missing	variable	missing
A1	2.9%	A9	24.5%	A17	3.5%
A2	3.5%	A10	16.5%	A18	3.2%
A3	20.5%	A11	16.5%	A19	16.1%
A4	4.3%	A12	29.1%	A20	3.1%
A5	3.1%	A13	20.9%	A21	3.9%
A6	73.9%	A14	18.1%	A22	9.4%
A7	3.2%	A15	3.0%	A23	4.1%
A8	5.3%	A16	4.7%		

b. SSB Statistical Table

variable	missing	variable	missing	variable	missing
A31	2.4%	A80	16.4%	A145	88.8%
A32	2.3%	A81	39.2%	A146	95.6%
A33	21.1%	A82	7.2%	A147	2.9%
A34	2.8%	A83	11.2%	A148	24.4%
A35	9.8%	A84	70.9%	A149	13.3%
A36	11.5%	A85	62.9%	A150	12.6%
A37	21.9%	A86	52.7%	A151	20.4%
A38	15.4%	A87	14.0%	A152	6.9%
A39	11.5%	A88	8.8%	Q1	44.9%
A40	12.7%	A89	12.7%	Q2	53.3%
A41	12.3%	A90	26.5%	Q3	65.4%
A42	18.9%	A91	53.5%	Q4	77.2%

A43	17.8%	A92	2.9%	Q5	53.8%
A44	46.6%	A93	66.4%	Q6	89.6%
A45	16.0%	A94	3.3%	Q7	97.8%
A46	18.8%	A95	34.6%	Q8	44.4%
A47	2.5%	A96	7.1%	P1	64.3%
A48	35.1%	A97	3.3%	P2	70.6%
A49	62.3%	A98	8.5%	P3	78.5%
A50	89.7%	A99	8.7%	P4	86.0%
A51	84.4%	A100	12.1%	P5	73.4%
A52	4.5%	A101	6.5%	P6	93.6%
A53	2.4%	A102	8.3%	P7	98.5%
A54	19.2%	A111	16.2%	P8	66.9%
A55	94.7%	A112	17.8%	M1	49.9%
A56	83.6%	A113	29.4%	M2	57.8%
A57	3.6%	A114	54.7%	M3	68.8%
A58	35.2%	A115	65.7%	M4	78.9%
A59	5.8%	A116	3.3%	M5	60.4%
A60	97.0%	A117	2.5%	M6	91.2%
A61	4.8%	A118	1.8%	M7	98.2%
A62	82.2%	A119	4.7%	M8	59.9%
A63	51.9%	A120	7.4%	B1	22.0%
A64	23.8%	A121	10.3%	B2	58.4%
A65	34.9%	A123	3.4%	B3	42.1%
A66	21.3%	A125	2.6%	B4	91.0%
A67	39.2%	A126	2.6%	B5	82.4%
A68	72.6%	A127	3.4%	B6	44.6%
A69	66.8%	A128	8.6%	B7	73.5%
A70	40.0%	A129	6.2%	B8	62.0%
A71	60.9%	A130	3.6%	B9	94.0%
A72	2.2%	A131	38.7%	B10	87.7%

A73	5.2%	A132	67.1%	B11	61.0%
A74	67.4%	A134	7.3%	B12	83.3%
A75	10.7%	A138	97.8%	B13	73.3%
A76	7.3%	A139	36.7%	B14	96.0%
A77	49.6%	A142	3.1%	B15	91.5%
A78	10.4%	A143	24.4%		
A79	2.3%	A144	64.3%		

c. SOE-COE Questionnaire

variable	missing	variable	missing	variable	missing
V2	4.3%	V70	6.3%	V138	6.3%
V3	9.4%	V71	6.2%	V139	53.7%
V4	4.2%	V72	6.4%	V140	54.4%
V5	8.7%	V73	5.1%	V141	55.9%
V6	4.5%	V74	75.3%	V142	54.2%
V7	19.4%	V75	48.1%	V143	5.7%
V8	18.2%	V76	87.9%	V144	47.2%
V9	15.6%	V77	10.2%	V145	49.3%
V10	9.7%	V78	87.1%	V146	47.5%
V11	6.0%	V79	96.0%	V147	45.4%
V12	6.2%	V80	97.8%	V148	46.4%
V13	6.3%	V81	92.6%	V149	50.4%
V14	13.8%	V82	6.0%	V150	53.9%
V15	62.7%	V83	17.6%	V151	5.7%
V16	11.3%	V84	5.1%	V152	96.7%
V17	13.3%	V85	10.0%	V153	93.3%
V18	15.7%	V86	7.7%	V154	94.3%
V19	75.7%	V87	7.0%	V155	97.8%
V20	52.8%	V88	7.1%	V156	84.8%

V21	24.4%	V89	13.8%	V157	97.2%
V22	22.5%	V90	10.4%	V158	98.0%
V23	23.7%	V91	10.3%	V159	88.7%
V24	34.0%	V92	9.8%	V160	6.7%
V25	49.9%	V93	15.6%	V161	60.1%
V26	75.3%	V94	10.3%	V162	55.1%
V27	62.3%	V95	23.7%	V163	57.3%
V28	48.0%	V96	29.5%	V164	62.0%
V29	48.7%	V97	14.7%	V165	61.4%
V30	53.2%	V98	5.6%	V166	60.6%
V31	70.9%	V99	5.7%	V167	55.8%
V32	76.4%	V100	5.2%	V168	56.3%
V33	19.8%	V101	6.4%	V169	56.1%
V34	19.6%	V102	7.7%	V170	56.8%
V35	19.6%	V103	6.5%	V171	58.5%
V36	13.4%	V104	5.3%	V172	57.7%
V37	23.0%	V105	10.9%	V173	60.0%
V38	17.2%	V106	7.8%	V174	58.7%
V39	18.4%	V107	6.6%	V175	4.6%
V40	82.3%	V108	9.0%	V176	4.6%
V41	83.0%	V109	10.7%	V177	4.8%
V42	84.2%	V110	12.0%	V178	5.0%
V43	84.9%	V111	5.3%	V179	9.2%
V44	9.6%	V112	57.6%	V180	5.1%
V45	90.7%	V113	72.3%	V181	34.4%
V46	91.0%	V114	50.0%	V182	36.5%
V47	5.5%	V115	69.5%	V183	43.0%
V48	44.0%	V116	91.4%	V184	6.5%
V49	47.6%	V117	42.8%	V185	5.0%
V50	47.7%	V118	5.3%	V186	64.5%

V51	45.5%	V119	89.4%	V187	74.9%
V52	4.6%	V120	5.3%	V188	56.0%
V53	5.4%	V121	5.4%	V189	74.9%
V54	4.7%	V122	13.8%	V190	75.7%
V55	5.0%	V123	6.1%	V191	73.4%
V56	5.1%	V124	5.9%	V192	76.2%
V57	8.8%	V125	6.4%	V193	77.1%
V58	5.3%	V126	4.8%	V194	7.1%
V59	7.8%	V127	61.5%	V195	8.6%
V60	6.3%	V128	62.9%	V196	7.9%
V61	9.7%	V129	62.5%	V197	25.1%
V62	9.2%	V130	66.4%	V198	34.2%
V63	5.8%	V131	81.8%	V199	23.1%
V64	12.9%	V132	90.1%	V200	85.7%
V65	13.8%	V133	86.7%	V201	33.1%
V66	5.1%	V134	9.0%	V202	11.6%
V67	5.4%	V135	5.9%	V203	11.2%
V68	5.4%	V136	6.0%	V204	12.4%
V69	6.3%	V137	9.9%		

Appendix A

CODE		of the enterprise
YEAR		in which the data were recorded
PROVINCE		in which the enterprise was located
FIRM		Name of the enterprise
INDUSTRY		Industrial branch code
OWNERSHI		Types of ownership
GV80	THY	Gross value of output at fix price
GVIO80	THY	of which industrial output
GV	THY	Gross output at current price
GVIO	THY	of which industrial output
MVC	THY	of which processing cusmoer's raw materials
		Output of principal product at current price
OP1	THY	Output value of No.1 principal product
OP2	THY	Output value of No.2 principal product
OP3	THY	Output value of No.3 principal product
		Sales revenue of principal product
RS1	THY	Sales revenue of No. 1 principal product
RS2	THY	Sales revenue of No. 2 principal product
RS3	THY	Sales revenue of No. 3 principal product
		Costs of principal product
CP1	THY	Costs of No.1 principal product
CP2	THY	Costs of No.2 principal product
CP3	THY	Costs of No.3 principal product
		Physical volume of principal product
VP1		Physical volume of No.1 principal product
VP2		Physical volume of No.2 principal product
VP3		Physical volume of No.3 principal product
		Product capacity of principal product
PC1		Product capacity of No.1 principal product
PC2		Product capacity of No.2 principal product
PC3		Product capacity of No.3 principal product
BITP	THY	Year beginning inventory (value) of total product
TPS	THY	Total product sales (value)
EITP	THY	Year end inventory of total product (value)
		Year beginning inventory volume of principal product
BVOP1		Year beginning inventory of No.1 principal product
BVOP2		Year beginning inventory of No.2 principal product
BVOP3		Year beginning inventory of No.3 principal product
		Year beginning inventory value of principal product
BVAP1	THY	Year beginning inventory of No.1 principal product
BVAP2	THY	Year beginning inventory of No.2 principal product
BVAP3	THY	Year beginning inventory of No.3 principal product
		Sales volume of principal product
SVOP1		No.1 principal product
SVOP2		No.2 principal product
SVOP3		No.3 principal product
		Sales value of principal product
SVAP1	THY	No.1 principal product

svap2	THY	No.2 principal product
svap3	THY	No.3 principal product
		Year-end inventory volume of principal product
evop1		Year end inventory of No.1 principal product
evop2		Year end inventory of No.2 principal product
evop3		Year end inventory of No.3 principal product
		Year-end inventory value of principal product
evap1	THY	No.1 principal product
evap2	THY	No.2 principal product
evap3	THY	No.3 principal product
bime	THY	Year beginning inventory of raw material and energy
pme	THY	Consumption of raw materials and energy
eime	THY	Year end inventory of raw material and energy
		Year-beginning inventory VOLUME of
biq1	Ton	Coal
biq2	Ton	Coke
biq3	Ton	Gasoline
biq4	Ton	Diesel
biq5	THWH	Electricity
biq6	Ton	Pig iron
biq7	Ton	Steel
biq8	Ton	Scrap steel and iron
biq9	M3	Log
biq10	M3	Saw wool
biq11	Ton	Cement
biq12	Ton	Caustic soda
biq13	Ton	"Si Xi" (chemical product)
biq14	Ton	Hair, fine hair. and silk
biq15		Other
		Year-beginning inventory VALUE of
biv1	Ton	Coal
biv2	Ton	Coke
biv3	Ton	Gasoline
biv4	Ton	Diesel
biv5	THWH	Electricity
biv6	Ton	Pig iron
biv7	Ton	Steel
biv8	Ton	Scrap steel and iron
biv9	M3	Log
biv10	M3	Saw wool
biv11	Ton	Cement
biv12	Ton	Caustic soda
biv13	Ton	"Si Xi" (chemical product)
biv14	Ton	Hair, fine hair. and silk
biv15		Other
		Purchased VOLUME of
pq1	Ton	Coal
pq2	Ton	Coke
pq3	Ton	Gasoline
pq4	Ton	Diesel
pq5	THWH	Electricity
pq6	Ton	Pig iron

pq7	Ton	Steel
pq8	Ton	Scrap steel and iron
pq9	M3	Log
pq10	M3	Saw wool
pq11	Ton	Cement
pq12	Ton	Caustic soda
pq13	Ton	"Si Xi" (chemical product)
pq14	Ton	Hair, fine hair. and silk
pq15		Other
		Purchased VALUE of
pv1	Ton	Coal
pv2	Ton	Coke
pv3	Ton	Gasoline
pv4	Ton	Diesel
pv5	THWH	Electricity
pv6	Ton	Pig iron
pv7	Ton	Steel
pv8	Ton	Scrap steel and iron
pv9	M3	Log
pv10	M3	Saw wool
pv11	Ton	Cement
pv12	Ton	Caustic soda
pv13	Ton	"Si Xi" (chemical product)
pv14	Ton	Hair, fine hair. and silk
pv15		Other
		Year-end inventory VOLUME of
eiq1	Ton	Coal
eiq2	Ton	Coke
eiq3	Ton	Gasoline
eiq4	Ton	Diesel
eiq5	THWH	Electricity
eiq6	Ton	Pig iron
eiq7	Ton	Steel
eiq8	Ton	Scrap steel and iron
eiq9	M3	Log
eiq10	M3	Saw wool
eiq11	Ton	Cement
eiq12	Ton	Caustic soda
eiq13	Ton	"Si Xi" (chemical product)
eiq14	Ton	Hair, fine hair. and silk
eiq15		Other
		Year-end inventory VALUE of
eiv1	Ton	Coal
eiv2	Ton	Coke
eiv3	Ton	Gasoline
eiv4	Ton	Diesel
eiv5	THWH	Electricity
eiv6	Ton	Pig iron
eiv7	Ton	Steel
eiv8	Ton	Scrap steel and iron
eiv9	M3	Log
eiv10	M3	Saw wool

eiv11	Ton	Cement
eiv12	Ton	Caustic soda
eiv13	Ton	"Si Xi" (chemical product)
eiv14	Ton	Hair, fine hair. and silk
eiv15		Other
tsr	THY	Total sales revenue
psr	THY	Of which: Product
osr	THY	Other
osr1	THY	Of which: Processing
osr2	THY	Constructing and fitting up
osr3	THY	Transportation and package
osr4	THY	Farm and stock
osr5	THY	Commercial and service
osr6	THY	Others
tsc	THY	Total sales cost
sc	THY	Of which: Sales cost
sc1	THY	Of which: Transportation cost
fc	THY	Factory cost
fc1	THY	Of which: Interest payment
fc2	THY	Main repair fund
fc3	THY	Depreciated fund(86 and 87)
pict	THY	Payment of industrial and commercial tax
mict	THY	Mitigating industrial and commercial tax
eaf	THY	Enterprises administration fee
eaf1	THY	Of which: Water
eaf2	THY	Post
eaf3	THY	Working
rbb	THY	Revenue beyond business
rbb1	THY	Of which: Rent
ebb	THY	Expenditure beyond business
ebb1	THY	Of which: Rent payment
tprofit	THY	Total profit (+) or total loss (-)
intax	THY	Income tax
wagedi	THY	Wage difference between which include tax and which pay really
nprofit	THY	Net profit
prp	THY	Payment of rural area profit
paf	THY	Payment administration fee
donat	THY	Donation for rural public welfare and temporary apportion
donat1	THY	Of which: Rural construction
edpay	THY	Education payment
enepay	THY	Energy fund payment
roloan	THY	Return overdue loan
rftf	THY	Return finance turnover fund
rob	THY	Return other borrow
pdp	THY	Partner dividend payment
opfp	THY	Other payment from profit
opfp1	THY	Of which: Reception fee
opfp2	THY	Business deduction
tpr	THY	Total profit retained
tpr1	THY	Of which: Circulating capital

tpr2	THY	Renew & development fund
tpr3	THY	Welfare fund
tpr4	THY	Bonus fund
tpr41	THY	Of which: all dividend allocation
tpr5	THY	Others
tpr6	THY	Year-end non-allocated profit
rep	THY	Revenue of export product
rep1	THY	Of which: Through FTC
rep2	THY	Enterprise-self
rfe	THY	Retained foreign exchange
tai	THY	Total annual investment
ifa	THY	Investment for fixed assets
ifa1	THY	Of which: Buying productive equipment
ifa2	THY	Constructing structures
ifa3	THY	Welfare facilities
ifa31	THY	Of which: constructing employees dormitory
ifa4	THY	Other
icc	THY	Increase in circulating capital
ioe	THY	Investment in other enterprises
pttp	THY	Patent and technology transfer payment
tnifa	THY	Total new input fixed assets
msfa	THY	Money sources of new input fixed assets
msfa1	THY	Of which: New adding bank loan during the year
msfa11	THY	Of which: new adding equipment load
msfa2	THY	Own new adding funds during the year
msfa3	THY	Collection money
msfa31	THY	Of which: from employees in unit-self
msfa4	THY	Borrowing of department
msfa5	THY	Depreciation
msfa6	THY	Partner investment
msfa7	THY	Foreign investment
msfa8	THY	Other
ovfa	THY	Original value of fixed assets
ovfa1	THY	Of which: Productive equipment
ovfa2	THY	Structures and appliances
ovfa3	THY	Welfare facilities
ovfa31	THY	Of which: Employee dormitories
ovfa4	THY	Other
nvfa	THY	Net value of fixed assets
qcc	THY	Quota of circulating capital at year-end
qcc1	THY	Of which: Materials
qcc2	THY	Unfinished product
qcc3	THY	Apportion fee
qcc4	THY	Finished product
qcc5	THY	Loss of circulation capital waiting for processing
qcc6	THY	Other
nqcc	THY	Nonquota of circulating capital at year-end
nqcc1	THY	Of which: Cash
nqcc2	THY	Bank deposit (credit cooperative)
nqcc3	THY	Receivables

$$rc = \frac{Fc3}{ovfa} + \frac{Fc1}{msfa1 + msfa11 + msfa3}$$

nqcc31	THY	Of which: loan receivables
nqcc4	THY	Other
luu	THY	Loss not recovered
sfpu	THY	Special fund of projects not completed
taxpayed	THY	Taxes paid
ooc	THY	Allocation of other capital
toc	THY	Total allocated capital
ff	THY	Fixed fund
cf	THY	Circulating fund
gsf	THY	Government supporting fund
df	THY	Depreciation fund
bcl	THY	Bank deposit (credit cooperative)
bcl1	THY	Of which: Productive loan
bcl2	THY	Equipment loan
db	THY	Borrowing of department
db1	THY	Of which: Finance turnover fund
ifo	THY	Investment from outside
boe	THY	Borrowing from other enterprises
pcp	THY	Public collection
pcp1	THY	Of which: From employees of own unit
sp	THY	Salary payable
tp	THY	Total payables
tp1	THY	Of which: Loan payables
tp2	THY	Tax payables
tsf	THY	Total special fund
tsf1	THY	Of which: New & development funds
tsf11	THY	Of which: Fixed funds
tsf12	THY	Circulating funds
tsf2	THY	Production development fund
tsf3	THY	Major repair fund
tsf4	THY	Welfare fund
tsf5	THY	Bonus fund
tsf6	THY	Government supporting appropriation
pui	THY	Profit not handed in
soc	THY	Sources of other capital
tcs	THY	Total capital from all sources
tye	Person	Total year-end employees
tye1	Person	Of which: Production workers
tye2	Person	Technicians
tye3	Person	Sales agents
tye4	Person	Purchasing agents
tye5	Person	Managements
tye6	Person	Appendices
rw	THY	Total paid wage really
rw1	THY	Of which: Basic or piece wage
rw2	THY	Bonus
rw3	THY	Other
aip	THY	Total annual wage for productive workers
aid	THY	Total annual wage for director
aim	THY	Total annual wage for management staffs
ais	THY	Total annual wage sale and purchasing staffs
ait	THY	Total annual wage for technicians

ait1	Yuan	Of which: Monthly wage of skilled workers advertized from out-of-county
ntemp	Person	Number of employees payables although seasonal or temporary stoppage
tre	Person	Total retired employees
twre	THY	Total wage of retired employees
nad	Person	Number of new hired employees
nls	Person	Average temporary employees
nre	Person	Number of reduced employees
nre1	Person	Of which: Dismissed
nre2	Person	Retired
tie	set	Total installed equipment at year-end
eq80	set	Of which: Manufactured in 1980's
eq70	set	Manufactured in 1970's
eq60	set	Manufactured in 1960's
eq50	set	Manufactured in 1950's
eqb50	set	Manufactured before 1950
emes	set	Of which: Equipment made in enterprise-self
uneq	set	Of which: Uninstalled equipment
sheq	set	Of which: Second hand equipment
neq	set	New equipment
eqop	set	Equipment purchased from out-of-province
eqop1	set	Of which: From state enterprises
eqop2	set	From State Materials Dept.
eqop3	set	From Town and Village Enterprises
eqip	set	Equipment purchased within province
eqip1	set	Of which: From state enterprises
eqip2	set	From State Materials Dept.
eqip3	set	From Town and Village Enterprises
tcfo	TKM	Transportation capacity
truck	TKM	Of which: Truck
truck1	TKM	Of which: Enterprise-self
train	TKM	Train
ship	TKM	Ship
		Purchased Volume of
qme1	Ton	Coal
qme2	Ton	Diesel and gasoline
qme3	THKW	Electricity
qme4		No.1 Raw material
qme5		No.2 Raw material
qme6		No.3 Raw material
qme7		No.4 Raw material
qme8		No.5 Raw material
		Percent purchased by plan price of
spme1	%	Coal
spme2	%	Gasoline
spme2a	%	Diesel
spme3	%	Electricity
spme4	%	No.1 Raw material
spme5	%	No.2 Raw material
spme6	%	No.3 Raw material
spme7	%	No.4 Raw material

spme8	%	No.5 Raw material
		Percent purchased by market price of
smme1	%	Coal
smme2	%	Gasoline
smme2a	%	Diesel
smme3	%	Electricity
smme4	%	No.1 Raw material
smme5	%	No.2 Raw material
smme6	%	No.3 Raw material
smme7	%	No.4 Raw material
smme8	%	No.5 Raw material
		Average plan price of
apme1		Coal
apme2		Gasoline
apme2a		Diesel
apme3		Electricity
apme4		No.1 Raw material
apme5		No.2 Raw material
apme6		No.3 Raw material
apme7		No.4 Raw material
apme8		No.5 Raw material
		Average market price
amme1		Coal
amme2		Gasoline
amme2a		Diesel
amme3		Electricity
amme4		No.1 Raw material
amme5		No.2 Raw material
amme6		No.3 Raw material
amme7		No.4 Raw material
amme8		No.5 Raw material
		Local general situation
aipc	THY	Average income per capita
tlf	THY	Total labor force
tlf1	THY	Of which: Agriculture
tlf2	THY	Industrial
tlf3	THY	Construction
tlf4	THY	Transportation
tlf5	THY	Commercial, Service
tlf6	THY	Other
tpaf	THY	Total public accumulation fund
tpaf1	THY	Of which: Township enterprise
tpaf2	THY	Rural enterprise
tpaf3	THY	Village enterprise
tpaf4	THY	Multi-household enterprise
tpaf5	THY	Individual enterprise
nap		# of all enterprises
teae	Person	total employees of all enterprises
tebl	Person	Total employees who are beyond local in TVE
ptt	%	Percent of tebl/tlf

Supplement table: historic data from 1975 to 1983

NUMBER		Code of enterprise
YEAR		of data
PROVINCE		in which the enterprise was located
FIRM		Name of the enterprise
INDUSTRY		Industrial branch code
OWNERSHI		Types of ownership
GV	THY	Gross Value of Output
GVIO	THY	Of which: Gross value of industrial output
INCOME	THY	Total revenue
PSI	THY	Of which: Product sales revenue
SCOST	THY	Sales cost
TPROFIT	THY	Total profit
NPROFIT	THY	Net profit
RPROFIT	THY	Profit retained
OVFA	THY	Original value of fixed assets
TIC	THY	Total investment in the year
WAGE	THY	Total real wage
TABOR	Person	Total employees

Director (Manager) Questionnaire for TVE

April 1992

Reporter's name______, Title ______,
Report date ______year ______month_____ day _____

A. Enterprise name: _____A1 A2
B. Industry affiliation____B1; Industry code____B2
C. Date production began: year____C1; ___C2
D. Relations of Subordination D1
   1) Province (municipality, autonomous region)
   2) County (city, district)
   3) Town
   4) Village
E Supervisory department (check one) E1
   1) county-level industrial bureau (or company)
   2) District, township enterprise office (or company)
   3) Village residents' committee
   4) No supervisory department
   5) Other (specify)
F Ownership type (check one) F1
   1) Run by district, town
   2) Village owned
   3) Joint-household owned
   4) Individually owned
   5) Other (specify)

1. Which type of management system was in force in each of the following years?

   a. Share system b. Contract responsibility system
   c. Leasing d. Other (specify).

   1984 _____Q1.1; 1985 ____Q1.2; 1986 ____Q1.3; 1987 ____Q1.4;
   1988 _____Q1.5; 1989 ____Q1.6; 1990 ____Q1.7.

2. According to your current management system, the form of profit distribution is (check one, and if relevant give %)

   (1) Contract for profit quota and share above-quota profit (above-quota retaining rate is __________) ___
   (2) Contract for profit quota, retain all above-quota profit ___.
   (3) Contract (or share) profits at a progressive rate (the progressive rate is _______) ___.
   (4) Contract for reduction of losses (or sharing) ___.

(5) Hand in all profit ___.
(6) Other (specify) ___.

3. Rank the three most important provisions of your contract:Q.15

(1) Quantity and value of output, product variety, quality and labor productivity
(2) Total realized profit and tax
(3) Profit and tax delivered to the state
(4) Development of new products
(5) Captial construction and technical innovation, new asset acquistion
(6) Reduction of losses and repayment of loan
(7) Earning foreign exchange
(8) Sales revenue
(9) Other (specify)

No.1 _____Q3.1; No.2 _____Q3.2; No.3 _____Q3.3.

4. Give the total profit target and the rate for retained profit (retained rate = retained profit / total contract profit) for every year 1986 through 1992.

	profit target	rate for retained profit
1986	______________Q4.11	______________Q4.21
1987	______________Q4.12	______________Q4.22
1988	______________Q4.13	______________Q4.23
1989	______________Q4.14	______________Q4.24
1990	______________Q4.15	______________Q4.25
1991	______________Q4.16	______________Q4.26
1992	______________Q4.17	______________Q4.27

5. How many years is your current contract? ________Q5.1
When did it take effect? ______ Q5.3 year ______Q5.2 month

6. How many years was your previous contract ______Q6.1?
When did it take effect _____year Q6.2 ______month Q6.3
Was your previous contract fulfilled? Q6.4
Yes______ No______

7. Contractor of your enterprise (check one)

(if applicable)	current contract	previous
(1) Director or other person	_____Q7.11	_____Q7.21
(2) Group	_____Q7.12	_____Q7.22
(3) All personnel	_____Q7.13	_____Q7.23

(4) Other (explain) _____Q7.14 _____Q7.24

8. Is property mortgage included in the contract?

	current contract	previous
(if applicable)		
(1) Yes Q8.1	_____	_____
(2) No Q8.2	_____	_____

If yes, the mortgager is:

(1) Individual	_____Q8.11	_____Q8.21
(2) Group	_____Q8.12	_____Q8.22
(3) All personnel	_____Q8.13	_____Q8.23
Total mortgage value	_____Q8.14	_____Q8.24 yuan.

9. Have you ever amended any provisions of your contract before its expiration?

(1) yes ___ (2) no ___ Q9.1

If yes, what were they?

	Year(s) applicable
(1) Reduction of profit handed in Q9.21	_______________
(2) Reduction of tax payment Q9.22	_______________
(3) Others Q9.23	_______________

10. How did you make your loan repayments?Q.44

	1988	1989	1990
(1) Before paying tax	Q10.11	Q10.21	Q10.31
(2) After paying tax	Q10.12	Q10.22	Q10.32
(3) Both	Q10.13	Q10.23	Q10.33

11. Is your payroll tied to profit and taxes? Q.47

(1) Yes ___ (2) No ___ Q11.1

If yes, what is the link? Q11.2
(1) tied to fulfillment of profit and taxes
(2) tied to profit and taxes handed

Ratio is: (fulfill or hand over) if profit and taxes increase by _____ %, Q11.31 wages increase by ___ % Q11.32

In which year did this arrangement begin? _______Q11.33

12. In which year were you appointed director? _______ Q12.1
How were you appointed director? (choose one)Q12.2

(1) Appointed by supervisory body ___
(2) Elected by employees' congress ___
(3) Taking a tender ___
(4) Recommended by contractors ___
(5) Others (specify)

13. Indicate who has the decision-making authority with respect to the following matters:
(fill in either A, B, C or D in each blank)

A. Supervisory body decides
B. Enterprise consult with the supervisory body
C. Enterprise decides

(a) Production plan ____ (Q13.1--13.12)
(b) Appointment of factory leader ___
(c) Recruitment of new employees ____
(d) Dismissal of employees ____
(e) Setting bonus level ____
(f) Setting difference of employees' wage ____
(g) Setting difference of employees' bonus ___
(h) Investment and expansion of production capacity ____
(i) Allocation and use of retained profit _____
(j) Selling idle equipment ____
(k) Joining an enterprise group ___
(l) Merging with another enterprise ____

14. How important are limitations placed on you by your supervisory body unit in your product sales:

A. No limit; B. Somewhat limited; C. Completely limited

(1) Setting product prices ____ (Q14.1--14.7)
(2) Determining sale structure ____
(3) Identifying specific customers ____
(4) Specifying sales area ____
(5) Pricing____
(6) Concerning the quality and quantity___
(7) Seeking market___

15. How important are limitations placed on you by your supervisory body in your purchases of raw materials:

A. No limit; B. Somewhat limited; C. Completely limited

(1) Specifying prices paid ____ (Q15.1--15.7)
(2) Determining the content of purchases ____
(3) Identifying specific suppliers ____

(4) Specifying procurement area ___
5) Pricing____
6) Concerning the quality and quantity___
7) Seeking market___

16. If you have financial difficulties, can you get help?
Yes ____; No ____ Q16.1

If yes, what kind of help?

(1) Delay loan repayment ____ (Q16.21--16.24)
(2) Obtain a new loan to pay off the old one ____
(3) Permit pre-tax loan repayment___
(4) Other (specify) ______________

17. Within the factory, if you meet following problems, how are decisions made?
(fill A, B, C or D in each blank)

A. entirely by yourself
B. Director and other factory leaders talk things over
C. Discussion with the Party Committee
D. by employees' congress

(a) Production plan ____ (Q17.1--17.16)
(b) Appointment of vice directors ____
(c) Appointment of middle level cadres ___
(d) Recruitment of new employees ____
(e) Dismissal of employees ____
(f) Setting bonus levels ___
(g) Setting bonus differences among employees ___
(h) Setting wage differences among employees ____
(i) Allocation and use of retained profits ___
(j) Investment and expansion of production capacity ____
(k) Construction of welfare facilities ____
(l) Temporary suspension of production ____
(m) Introduction of new products ____
(n) Joining an enterprise group ____
(o) Merging with another enterprise ___
(p) Fund-raising ____

18. What influence do workers have over the following decisions?
Rank according to the following.
A. no influence B. some influence C. considerable influence
(fill A, B or C in each blank)

(a) Appointing enterprise's leadership__ (Q18.1--18.6)
(b) Hiring and firing workers ___
(c) Allocating wages and bonuses ___

(d) Assigning workers within the factory ___
(e) Allocating and use of retained profit ___
(f) Deciding on large investment __

19. How do the following incentives affect the work effort of your employees?
Rank the following forms of incentives.
A. not effective B. moderately effective C. most effective
(fill A, B, or C in each blank)

(a) increase in wage or bonus (Q19.1--19.7)
(b) piece-work wage
(c) promotion
(d) praise in public
(e) priority in getting housing
(f) priority in getting their children employed
(g) division of contract quotas at several levels, with wage & bonus tied to one's performance

20. In what year did you have decision-making authority in the following aspects? (fill in the year)
1) making production plan ____ (Q20.1--20.9)
2) selling out-of-plan products___
3) purchasing raw materials____
4) recruiting new employees___
5) dismissing employees ____
6) paying bonus ____
7) setting the difference in worker's wage ____
8) setting the difference in worker's bonus ____
9) using retained profit to invest ____

21. Is there an internal wage system in your enterprise?

Yes ___, No ___. Q21.1 If yes, in which year was it started?_________. Q22.2

22. What wage system does your enterprise practice? Q22

(1) Piece-work wage ___
(2) Time wage ___
(3) Wage & bonus is tied to profit&tax handed ___
(4) Others (specify) ____

23. How is your total bonus set (check the most important one) Q23
1) set by supervisory department ________
2) self-determined ____ limitation amount is _____10 thousand yuan
3) according to a ratio of bonus and retained profit, and the ratio in 1990 was ____%

24. In 1990 did you pay a bonus tax? Yes ___; No ___.Q24.1
If yes, how much did you pay? ____________________Q24.2

25. Which types of employees are in excess supply, and what types are in shortage?

A. Serious shortage, B. Moderate shortage, C. Balanced,
D. Moderate excess supply, E. Severe excess supply.
(fill one of A, B, C , D or E in each blank)

(a) Management ____ (Q25.1--Q25.6)
(b) Technician ____
(c) Apprentices ____
(d) Skilled workers ___
(e) Front line workers ____
(f) Service staff ____

26. According to the contract, how many times can director's (manager's) maximum income be in terms of worker's average income? (check one) Q26
1) 1--2 times 2) 3--5 times
3) 6--10 times 4) no upper limitation

27. If you have redundant workers, how do you reassign them?

(1) Create new job opportunities (e.g. service companies)____% Q27.1
(2) Persuade workers to retire early ____%Q27.2
(3) Request labor employment dept. to find other jobs ____% Q27.3
(4) Ask workers to find new jobs by themselves____% Q27.4
(5) Dismiss them _____% Q27.5

28. Rank the relative importance of the following factors in determining your product prices.
A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) government price regulation ___ (Q28.1--28.5)
(b) product cost ___
(c) market supply-demand conditions ___
(d) price of similar product in other enterprise ___
(e) others (specify) ____

29. If the price of your principal product increased 10%, by how much would you expect sales volume to fall? (check one)
Q29
1. no change ___; 2. fall by less than 10% ___;
3. fall by more than 10% ___.

30. If your answer to #29 above is (1) no change, or (2) less than 10%, then why do you not raise your price?

Rank the importance of the following factors
A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) Price is controlled by the government ___Q30.1
(b) If we increase the price of our product, it will raise the price of raw material ___Q30.2
(c) Other benefits will be reduced. ___Q30.3
(d) Sales and capacity utilization would fall. ___Q30.4

31. During the past 3 years, has your production supply exceeded demand thus causing you to accumulate inventories?

Yes ____; No ____ Q31.1

If the answer is yes, rank the relative importance of the measures used to adjust to insufficient demand.

A. not important B. important C. very important
(fill one of A, B or C in each blank)
(Q31.21--31.27)
(a) Decreased output but continued production ___
(b) Temporarily stopped production ___
(c) Cut prices __
(d) Improved product quality ___
(e) Strengthened sales effort and improved service ___
(f) Converted to other products ___
(g) Government purchased excess inventories ___

32. In general, are your prices lower, higher or about the same as your principal competitors?

(1) Lower ____ Q32.1
(2) Higher ____
(3) About the same ____ (skip to question #31)

If your market prices are lower relative to your principal competitors, specify the reasons:

(Q32.11--32.15)
(1) lower material and energy cost ___
(2) a larger market share ___
(3) regulated by supervisory body or price bureau ____
(4) lower quality ___
(5) other (specify)___

If your prices are higher relative to your competitors, specify the reasons:
(Q32.21--32.25)

(1) higher material and energy cost ___
(2) demand exceeds supply ___
(3) regulated by supervisory body ___
(4) excellent quality ___
(5) others (specify) ____

33. Do you currently have investment opportunities which promise a high rate of return but which you have been unable to carry out?

(1) Yes ____   (2) No ____   Q33.1

If your answer to the above is "Yes", what factors have limited your ability to invest?
A. not limited B. limited C. most limited
(fill one of A, B or C in each blank)

(a) industrial policy ___   (Q33.21--33.26)
(b) insufficient funds ___
(c) insufficient bank loans ___
(d) investment goods in short supply ___
(e) investments are too risky ___
(f) low work efficiency of government dept. ___

34. If you have invested in another enterprise, what factors have motivated this decision?
A. not important B. important C. very important
(fill one of A, B or C in each blank)

(a) expanding product sales ___   (Q34.1--34.9)
(b) obtaining raw material and energy for production __
(c) expanding production capacity ___
(d) reducing production costs ____
(e) technical cooperation with other enterprises __
(f) sharing profits with other enterprises __
(g) securing job opportunities for employee dependents __
(h) benefiting from favorable policy ____
(i) others (specify) ____

35. Rank your 3 most important management objectives

(1) increase output, expand scale
(2) increase profit
(3) create job opportunities for the community
(4) increase employee incomes
(5) fulfill contract target
(6) create a famous-brand product and increase name recognition
(7) others (specify)

No.1 ___ Q35.1 No.2 ___ Q35.2 No.3 ___ Q35.3

36. Is there competition among you and other enterprises within the industry?
Yes ___; No ___. Q36.1

If yes, describe the degree of competition Q36.2.
(1) highly competitive ___
(2) moderately competitive ___
(3) little competition ___

37. Does your enterprise find it difficult to compete within your industry? Yes ____; No ____. Q.180 If your answer is "yes", please rank the 3 most important reasons.

(1) poor product quality
(2) higher product price
(3) out-dated production technology and equipment
(4) poor sales and marketing arrangements
(5) insufficient market information
(6) inconvenient transportation
(7) poor performance in new product development
(8) lack of name recognition
(9) others (specify)

No.1 ___ Q37.1 No.2 ___ Q37.2 No.3 ___ Q37.3

38. Are you currently producing money-losing products?

Yes ___; No___. Q38.1

If yes, for how many years have you produced the products? ___________Q38.2
In 1988, 1989, and 1990, what percentage of total output value did they represent respectively ____% Q38.3 _____% Q38.4 ____% Q38.5

39. If you produced money-losing products in 1990, rank the relative importance of the following causes.

A. not important B. important C. very important
(fill one of A, B or C in each blank)
(Q39.1--39.7)

(1) losses were useful for obtaining policy-related subsidies or other benefits ___
(2) mandatory production ____
(3) regulated price was lower than cost____
(4) Shortage of advanced technology ___
(5) extremely competitive markets ___

(6) hard to use or reassign excess staff ___
(7) money-losing product is a by-product of a profitable product

40. What are the major obstacles you face in your efforts to raise production efficiency? Rank the following factors.

(1) shortage of raw material inputs
(2) shortage of electricity and other energy inputs
(3) not enough technicians and skilled workers
(4) lack of good managers
(5) lack of effective incentives
(6) poor market conditions
(7) shortage of capital or technology
(8) lack of power to set prices and production
(9) excessive profit handed over to the state
(10) limited authority over personnel
(11) Out-dated equipment
(12) others (specify)

No.1 ____; Q40.1 No.2 ____; Q40.2 No.3 ____. Q40.3

41. As a share of your gross value of industrial output in 1990,

(1) products introduced before 1980 accounted for ____% Q41.1
(2) product introduced in 1980-1987 accounted for ____% Q41.2
(3) product introduced since 1988 accounted for ____% Q41.3

42. If your enterprise faces a loss, unsold products, or raw material and funds shortage, what measures do you intend to take among the following?

A. not important B. important C. very important

1) dismiss some of the workers (Q42.1--42.9)
2) no dismissal, but decease worker's average wage level
3) close the factory
4) apply for subsidy from township and village government
5) convert to other production
6) improve marketing and after-sale service
7) seek cooperation with others
8) improve product quality
9) others (specify)

43. In your yearly production plan, what's the share of following? (Q43.1--43.4)

1) contract for processing supplied material _____%
2) other orders amounting to ____%
3) self-set plan according to market demand ____%
4) others (specify)

44. Please roughly estimate the production work-hour utilization of your enterprise in 1990 (Q44.1--44.5)

	unit
assumed total work-hour in the whole year ----	hour
actual work-hour stoppage in the whole year----	hour
of which: due to material shortage---	%
due to electricity blackout----	%
due to inadequate production task-----	%

c. Data File

Historic panel data from 1975 to 1983

File Name: TVEH.WK1

Code, YEAR, PROVINCE, FIRM, INDUSTRY, OWNERSHI, GV, GVIO, INCOME, PSI, SCOST, TPROFIT, NPROFIT, RPROFIT, OVFA, TIC, WAGE and TABOR

Completed Survey panel data from 1984 through 1990

File Name: TVE1.WK1

CODE, YEAR, PROVINCE, FIRM, INDUSTRY, OWNERSHI, gv80, gvio80, gv, gvio, mvc, op1, op2, op3, rs1, rs2, rs3, cp1, cp2, cp3, vp1, vp2, vp3, pc1, pc2, pc3, bitp, tps, eitp, bvop1, bvop2, bvop3, bvap1, bvap2, bvap3, svop1, svop2, svop3, svap1, svap2, svap3, evop1, evop2, evop3, evap1, evap2, evap3, bime, pme, eime, biq1, biv1, pq1, pv1, eiq1, eiv1

File Name: TVE2.WK1

biq2, biv2, pq2, pv2, eiq2, eiv2, biq3, biv3, pq3, pv3, eiq3, eiv3, biq4, biv4, pq4, pv4, eiq4, eiv4, biq5, biv5, pq5, pv5, eiq5, eiv5, biq6, biv6, pq6, pv6, eiq6, eiv6, biq7, biv7, pq7, pv7, eiq7, eiv7, biq8, biv8, pq8, pv8, eiq8, eiv8, biq9, biv9, pq9, pv9, eiq9, eiv9, biq10, biv10, pq10, pv10, eiq10, eiv10

File Name: TVE3.WK1

biq11, biv11, pq11, pv11, eiq11, eiv11, biq12, biv12, pq12, pv12, eiq12, eiv12, biq13, biv13, pq13, pv13, eiq13, eiv13, biq14, biv14, pq14, pv14, eiq14, eiv14, biq15, biv15, pq15, pv15, eiq15, eiv15, tsr, psr, osr, osr1, osr2, osr3, osr4, osr5, osr6, tsc, sc, sc1, fc, fc1, fc2, fc3, pict, mict, eaf, eaf1, eaf2, eaf3

File Name: TVE4.WK1

rbb, rbb1, ebb, ebb1, tprofit, intax, wagedi, nprofit, prp, paf, donat, donat1, edpay, enepay, roloan, rftf, rob, pdp, opfp, opfp1, opfp2, tpr, tpr1, tpr2, tpr3, tpr4, tpr41, tpr5, tpr6, rep, rep1, rep2, rfe, tai, ifa, ifa1, ifa2, ifa3, ifa31, ifa4, icc, ioe, pttp, tnifa, msfa, msfa1, msfa11, msfa2, msfa3, msfa31, msfa4, msfa5, msfa6, msfa7, msfa8

File Name: TVE5.WK1

ovfa, ovfa1, ovfa2, ovfa3, ovfa31, ovfa4, nvfa, qcc, qcc1, qcc2, qcc3, qcc4, qcc5, qcc6, nqcc, nqcc1, nqcc2, nqcc3, nqcc31, nqcc4, luu, sfpu, taxpayed, ooc, toc, ff, cf, gsf, df, bcl, bcl1, bcl2, db, db1, ifo, boe, pcp, pcp1, sp, tp, tp1, tp2, tsf, tsf1, tsf11, tsf12, tsf2, tsf3, tsf4, tsf5, tsf6, pui

File Name: TVE6.WK1

soc, tcs, tye, tye1, tye2, tye3, tye4, tye5, tye6, rw, rw1, rw2, rw3, aip, aid, aim, ais, ait, ait1, ntemp, tre, twre, nad, nls, nre, nre1, nre2, tie, eq80, eq70, eq60, eq50, eqb50, emes, uneq, sheq, neq, eqop, eqop1, eqop2, eqop3, eqip, eqip1, eqip2, eqip3, tcfo, truck, truck1, train, ship, qme1, qme2, qme3, qme4, qme5, qme6, qme7, qme8

File Name: TVE7.WK1

spme1, spme2, spme2a, spme3, spme4, spme5, spme6, spme7, spme8, smme1, smme2, smme2a, smme3, smme4, smme5, smme6, smme7, smme8, apme1, apme2, apme2a, apme3, apme4, apme5, apme6, apme7, apme8, amme1, amme2, amme2a, amme3, amme4, amme5, amme6, amme7, amme8, aipc, tlf, tlf1, tlf2, tlf3, tlf4, tlf5, tlf6, tpaf, tpaf1, tpaf2, tpaf3, tpaf4, tpaf5, nap, teae, tebl, ptt, Questionnaire Data, Cross Section

File Name: TVEQ.WK1

a1, a2, b2, c1, c2, e1, f1, q1_1, q1_2, q1_3, q1_4, q1_5, q1_6, q1_7, q2_1, q2_2, q3_1, q3_2, q3_3, q4_11, q4_12, q4_13, q4_14, q4_15, q4_16, q4_17, q4_21, q4_22, q4_23, q4_24, q4_25, q4_26, q4_27, q5_1, q5_2, q5_3, q6_1, q6_2, q6_3, q6_4, q7_1, q7_2, q8_1, q8_2, q8_31, q8_32, q8_41, q8_42, q9_1, q9_21, q9_22, q9_23, q10_1, q10_2, q10_3, q11_1, q11_2, q11_31, q11_32, q11_33, q12_1, q12_2, q13_1, q13_2, q13_3, q13_4, q13_5, q13_6, q13_7, q13_8, q13_9, q13_10, q13_11, q13_12, q14_1, q14_2, q14_3, q14_4, q14_5, q14_6, q14_7, q15_1, q15_2, q15_3, q15_4, q15_5, q15_6, q15_7, q16_1, q16_21, q16_22, q16_23, q16_24, q17_1, q17_2, q17_3, q17_4, q17_5, q17_6, q17_7, q17_8, q17_9, q17_10, q17_11, q17_12, q17_13, q17_14, q17_15, q17_16, q18_1, q18_2, q18_3, q18_4, q18_5, q18_6, q19_1, q19_2, q19_3, q19_4, q19_5, q19_6, q19_7, q20_1, q20_2, q20_3, q20_4, q20_5, q20_6, q20_7, q20_8, q20_9, q21_1, q21_2, q22, q23_1, q23_2, q23_3, q24_1, q24_2, q25_1, q25_2, q25_3, q25_4, q25_5, q25_6, q26, q27_1, q27_2, q27_3, q27_4, q27_5, q28_1, q28_2, q28_3, q28_4, q28_5, q29, q30_1, q30_2, q30_3, q30_4, q31_1, q31_21, q31_22, q31_23, q31_24, q31_25, q31_26, q31_27, q32_1, q32_11, q32_12, q32_13, q32_14, q32_15, q32_21, q32_22, q32_23, q32_24, q32_25, q33_1, q33_21, q33_22, q33_23, q33_24, q33_25, q33_26, q34_1, q34_2, q34_3, q34_4, q34_5, q34_6, q34_7, q34_8, q34_9, q35_1, q35_2, q35_3, q36_1, q36_2, q37, q37_1, q37_2, q37_3, q38_1, q38_2, q38_3, q38_4, q38_5, q39_1, q39_2, q39_3, q39_4, q39_5, q39_6, q39_7, q40_1, q40_2, q40_3, q41_1, q41_2, q41_3, q42_1, q42_2, q42_3, q42_4, q42_5, q42_6, q42_7, q42_8, q42-9, q43_1, q43_2, q43_3, q43_4, q44_1, q44_2, q44_3, q44_4, q44_5

d. Completeness of TVE historic data

variable	missing	variable	missing
gv	46.6%	nprofit	55.8%
gvio	48.7%	rprofit	63.3%
income	47.1%	ovfa	49.4%
psi	50.2%	tic	65.3%
scost	49.9%	wage	48.7%
tprofit	52.1%	labor	46.2%

e. Completeness of TVE Statistical Variables

variable	missing	variable	missing	variable	missing
gv80	17.8%	eiv7	23.8%	tp1	13.4%
gvio80	17.8%	eiv8	30.4%	tp2	14.6%
gv	6.8%	eiv9	28.0%	tsf	8.6%
gvio	1.4%	eiv10	30.8%	tsf1	15.0%
mvc	30.9%	eiv11	29.8%	tsf11	25.2%
op1	13.3%	eiv12	30.0%	tsf12	26.6%
op2	21.5%	eiv13	30.7%	tsf2	26.1%
op3	25.9%	eiv14	30.4%	tsf3	28.5%
rs1	24.3%	eiv15	22.3%	tsf4	11.3%
rs2	27.4%	tsr	1.3%	tsf5	17.0%
rs3	29.1%	psr	2.3%	tsf6	28.8%
cp1	18.8%	osr	20.2%	pui	23.1%
cp2	24.4%	osr1	25.2%	soc	12.0%
cp3	27.5%	osr2	30.9%	tcs	6.7%
vp1	13.2%	osr3	27.7%	tye	1.2%
vp2	21.7%	osr4	31.0%	tye1	6.7%
vp3	25.9%	osr5	30.1%	tye2	9.3%

pc1	24.7%	osr6	25.3%	tye3	12.0%
pc2	27.7%	tsc	6.7%	tye4	12.5%
pc3	29.2%	sc	14.4%	tye5	6.8%
bitp	11.0%	sc1	22.1%	tye6	27.1%
tps	7.1%	fc	7.2%	rw	6.8%
eitp	10.5%	fc1	13.6%	rw1	1.5%
bvop1	21.3%	fc2	21.6%	rw2	15.0%
bvop2	26.2%	fc3	15.3%	rw3	21.0%
bvop3	28.5%	pict	9.3%	aip	7.1%
bvap1	21.1%	mict	26.8%	aid	7.1%
bvap2	26.1%	eaf	9.8%	aim	24.3%
bvap3	28.5%	eaf1	23.4%	ais	10.3%
svop1	19.2%	eaf2	17.5%	ait	10.0%
svop2	24.8%	eaf3	13.8%	ait1	26.3%
svop3	27.4%	rbb	18.9%	ntemp	31.3%
svap1	18.8%	rbb1	31.0%	tre	22.7%
svap2	24.5%	ebb	19.1%	twre	23.2%
svap3	27.5%	ebb1	30.5%	nad	28.4%
evop1	21.0%	tprofit	1.5%	nls	29.4%
evop2	25.9%	intax	15.6%	nre	27.2%
evop3	28.8%	wagedi	24.2%	nre1	29.6%
evap1	20.7%	nprofit	2.5%	nre2	29.1%
evap2	25.8%	prp	15.3%	tie	26.1%
evap3	28.8%	paf	16.0%	eq80	29.2%
bime	12.3%	donat	26.3%	eq70	29.6%
pme	1.7%	donat1	29.6%	eq60	30.7%
eime	12.1%	edpay	26.2%	eq50	31.1%
biq1	19.0%	enepay	26.3%	eqb50	31.2%
biq2	28.5%	roloan	26.6%	emes	29.8%
biq3	24.2%	rftf	29.7%	uneq	30.5%

biq4	22.6%	rob	30.2%	sheq	29.0%
biq5	31.3%	pdp	29.4%	neq	27.1%
biq6	28.7%	opfp	23.0%	eqop	27.3%
biq7	23.9%	opfp1	24.5%	eqop1	27.8%
biq8	30.4%	opfp2	28.6%	eqop2	30.3%
biq9	28.0%	tpr	3.9%	eqop3	30.7%
biq10	30.9%	tpr1	18.8%	eqip	27.4%
biq11	29.7%	tpr2	14.9%	eqip1	28.1%
biq12	30.0%	tpr3	18.4%	eqip2	29.5%
biq13	30.7%	tpr4	17.9%	eqip3	30.2%
biq14	30.3%	tpr41	29.9%	tcfo	27.2%
biq15	28.1%	tpr5	19.3%	truck	26.5%
biv1	19.0%	tpr6	24.7%	truck1	27.2%
biv2	28.5%	rep	28.8%	train	30.0%
biv3	24.2%	rep1	29.4%	ship	31.0%
biv4	22.8%	rep2	31.1%	qme1	20.0%
biv5	31.3%	rfe	30.8%	qme2	20.2%
biv6	28.8%	tai	12.9%	qme3	17.9%
biv7	23.9%	ifa	11.3%	qme4	31.1%
biv8	30.4%	ifa1	13.8%	qme5	26.7%
biv9	28.0%	ifa2	20.0%	qme6	27.9%
biv10	30.9%	ifa3	26.2%	qme7	28.9%
biv11	29.7%	ifa31	28.5%	qme8	29.9%
biv12	30.0%	ifa4	26.7%	spme1	26.5%
biv13	30.6%	icc	24.0%	spme2	23.6%
biv14	30.2%	ioe	30.3%	spme2a	30.3%
biv15	22.1%	pttp	30.7%	spme3	19.8%
pq1	12.6%	tnifa	11.4%	spme4	30.2%
pq2	27.4%	msfa	11.4%	spme5	29.7%
pq3	17.3%	msfa1	22.6%	spme6	30.4%

pq4	15.4%	msfa11	25.6%	spme7	30.9%
pq5	8.2%	msfa2	21.1%	spme8	31.0%
pq6	28.0%	msfa3	27.3%	smme1	17.2%
pq7	20.7%	msfa31	29.2%	smme2	18.1%
pq8	29.6%	msfa4	28.6%	smme2a	28.1%
pq9	24.8%	msfa5	21.1%	smme3	19.1%
pq10	30.3%	msfa6	30.9%	smme4	26.0%
pq11	26.4%	msfa7	31.2%	smme5	25.4%
pq12	29.6%	msfa8	24.7%	smme6	27.5%
pq13	30.6%	ovfa	1.3%	smme7	28.9%
pq14	30.0%	ovfa1	7.0%	smme8	30.1%
pq15	26.3%	ovfa2	7.8%	apme1	26.4%
pv1	12.7%	ovfa3	15.3%	apme2	23.6%
pv2	27.4%	ovfa31	21.4%	apme2a	30.3%
pv3	17.4%	ovfa4	18.7%	apme3	24.0%
pv4	15.6%	nvfa	6.7%	apme4	30.2%
pv5	8.5%	qcc	7.1%	apme5	29.6%
pv6	28.1%	qcc1	7.4%	apme6	30.3%
pv7	20.8%	qcc2	19.0%	apme7	30.8%
pv8	29.7%	qcc3	19.6%	apme8	30.9%
pv9	24.8%	qcc4	10.3%	amme1	20.0%
pv10	30.2%	qcc5	29.1%	amme2	19.0%
pv11	26.4%	qcc6	20.0%	amme2a	28.1%
pv12	29.6%	nqcc1	9.9%	amme3	20.9%
pv13	30.5%	nqcc2	8.6%	amme4	26.0%
pv14	30.0%	nqcc3	7.6%	amme5	25.5%
pv15	18.0%	nqcc31	13.8%	amme6	27.6%
eiq1	18.8%	nqcc4	21.5%	amme7	29.0%
eiq2	28.5%	luu	28.5%	amme8	30.1%
eiq3	23.9%	sfpu	20.1%	aipc	18.5%

eiq4	22.5%	taxpayed	23.3%	tlf	18.4%
eiq5	31.3%	ooc	31.3%	tlf1	18.5%
eiq6	28.8%	toc	6.7%	tlf2	18.4%
eiq7	23.8%	ff	8.3%	tlf3	18.9%
eiq8	30.4%	cf	14.3%	tlf4	18.8%
eiq9	28.0%	gsf	22.8%	tlf5	18.6%
eiq10	30.8%	df	7.4%	tlf6	19.1%
eiq11	29.8%	bcl	10.7%	tpaf	19.5%
eiq12	30.0%	bcl1	13.7%	tpaf1	25.2%
eiq13	30.7%	bcl2	19.5%	tpaf2	26.6%
eiq14	30.4%	db	18.4%	tpaf3	22.4%
eiq15	27.5%	db1	22.4%	tpaf4	28.1%
eiv1	18.8%	ifo	29.6%	tpaf5	27.5%
eiv2	28.5%	boe	28.2%	nap	19.0%
eiv3	24.0%	pcp	24.1%	teae	19.0%
eiv4	22.6%	pcp1	25.1%	tebl	21.4%
eiv5	31.3%	sp	15.8%	ptt	21.5%
eiv6	28.8%	tp	7.8%		

f. Completeness of TVE Questionnaire

variable	missing	variable	missing	variable	missing
C1	7.3%	Q15_3	4.3%	Q31_21	55.3%
E1	5.7%	Q15_4	4.3%	Q31_22	55.0%
F1	4.7%	Q15_5	6.0%	Q31_23	54.3%
Q1_1	16.3%	Q15_6	5.0%	Q31_24	53.0%
Q1_2	11.3%	Q15_7	5.7%	Q31_25	53.7%
Q1_3	9.7%	Q16_1	13.3%	Q31_26	58.0%
Q1_4	9.7%	Q16_21	55.7%	Q31_27	59.3%
Q1_5	7.0%	Q16_22	66.0%	Q32_1	0.0%

Q1_6	6.0%	Q16_23	83.7%	Q32_11	92.7%
Q1_7	6.7%	Q16_24	97.3%	Q32_12	93.7%
Q2_1	8.0%	Q17_1	7.3%	Q32_13	98.3%
Q2_2	56.7%	Q17_2	10.3%	Q32_14	99.0%
Q3_1	18.3%	Q17_3	6.0%	Q32_15	96.7%
Q3_2	18.3%	Q17_4	6.3%	Q32_21	92.7%
Q3_3	18.3%	Q17_5	7.3%	Q32_22	98.3%
Q4_11	51.0%	Q17_6	8.0%	Q32_23	98.3%
Q4_12	48.3%	Q17_7	6.7%	Q32_24	94.3%
Q4_13	39.3%	Q17_8	8.0%	Q32_25	99.7%
Q4_14	35.0%	Q17_9	6.3%	Q33_1	26.3%
Q4_15	34.7%	Q17_10	7.3%	Q33_21	78.0%
Q4_16	42.7%	Q17_11	8.0%	Q33_22	77.0%
Q4_17	63.0%	Q17_12	7.3%	Q33_23	77.3%
Q4_21	56.7%	Q17_13	10.7%	Q33_24	78.3%
Q4_22	53.0%	Q17_14	20.0%	Q33_25	79.0%
Q4_23	45.3%	Q17_15	22.0%	Q33_26	78.7%
Q4_24	42.3%	Q17_16	15.3%	Q34_1	70.0%
Q4_25	43.7%	Q18_1	4.3%	Q34_2	70.0%
Q4_26	53.0%	Q18_2	4.3%	Q34_3	70.0%
Q4_27	68.3%	Q18_3	4.7%	Q34_4	69.7%
Q5_1	24.3%	Q18_4	4.7%	Q34_5	71.0%
Q5_2	24.7%	Q18_5	5.7%	Q34_6	71.3%
Q5_3	24.0%	Q18_6	6.3%	Q34_7	71.7%
Q6_1	30.3%	Q19_1	4.7%	Q34_8	71.3%
Q6_2	30.3%	Q19_2	4.3%	Q34_9	98.3%
Q6_3	31.0%	Q19_3	8.0%	Q35_1	4.7%
Q6_4	30.3%	Q19_4	5.3%	Q35_2	4.7%
Q7_1	23.0%	Q19_5	33.7%	Q35_3	4.7%
Q7_2	28.7%	Q19_6	28.7%	Q36_1	6.7%

Q8_1	23.0%	Q19_7	14.7%	Q36_2	12.3%
Q8_2	42.7%	Q20_1	12.7%	Q37	0.0%
Q8_31	77.0%	Q20_2	15.3%	Q37_1	41.3%
Q8_32	86.3%	Q20_3	11.0%	Q37_2	42.3%
Q8_41	82.0%	Q20_4	15.3%	Q37_3	43.3%
Q8_42	90.3%	Q20_5	18.7%	Q38_1	32.3%
Q9_1	42.7%	Q20_6	14.7%	Q38_2	85.3%
Q9_21	92.0%	Q20_7	15.3%	Q38_3	92.7%
Q9_22	97.3%	Q20_8	15.0%	Q38_4	89.7%
Q9_23	93.0%	Q20_9	28.3%	Q38_5	86.3%
Q10_1	15.7%	Q21_1	14.0%	Q39_1	81.0%
Q10_2	15.7%	Q21_2	37.3%	Q39_2	80.7%
Q10_3	14.7%	Q22	7.7%	Q39_3	80.7%
Q11_1	22.7%	Q23_1	9.3%	Q39_4	81.0%
Q11_2	66.3%	Q23_2	82.0%	Q39_5	80.7%
Q11_31	74.3%	Q23_3	88.3%	Q39_6	80.7%
Q11_32	75.0%	Q24_1	34.3%	Q39_7	80.7%
Q11_33	70.7%	Q24_2	93.0%	Q40_1	5.0%
Q12_1	6.3%	Q25_1	7.0%	Q40_2	5.3%
Q12_2	6.0%	Q25_2	4.7%	Q40_3	5.7%
Q13_1	5.0%	Q25_3	15.0%	Q41_1	55.0%
Q13_2	5.0%	Q25_4	6.3%	Q41_2	29.0%
Q13_3	5.0%	Q25_5	7.3%	Q41_3	48.3%
Q13_4	5.3%	Q25_6	11.7%	Q42_1	10.3%
Q13_5	5.0%	Q26	17.7%	Q42_2	10.7%
Q13_6	5.7%	Q27_1	70.3%	Q42_3	11.0%
Q13_7	6.0%	Q27_2	92.3%	Q42_4	11.0%
Q13_8	6.0%	Q27_3	94.3%	Q42_5	10.7%
Q13_9	5.3%	Q27_4	77.7%	Q42_6	7.3%
Q13_10	8.0%	Q27_5	77.3%	Q42_7	11.3%

Q13_11	13.7%	Q28_1	8.0%	Q42_8	6.3%
Q13_12	15.7%	Q28_2	6.3%	Q42_9	93.7%
Q14_1	4.3%	Q28_3	5.3%	Q43_1	70.3%
Q14_2	5.3%	Q28_4	6.3%	Q43_2	41.3%
Q14_3	4.3%	Q28_5	96.3%	Q43_3	19.0%
Q14_4	4.3%	Q29	0.0%	Q43_4	91.7%
Q14_5	5.3%	Q30_1	53.3%	Q44_1	5.7%
Q14_6	4.3%	Q30_2	53.3%	Q44_2	19.7%
Q14_7	4.7%	Q30_3	53.3%	Q44_3	59.0%
Q15_1	4.3%	Q30_4	51.0%	Q44_4	41.3%
Q15_2	4.3%	Q31_1	18.3%	Q44_5	53.7%

ssbh1	CODE	YEAR	OWNERSHI	INDUSTRY						
ssbh2	SCALE	A1	A2	A3						
ssbh3	A4	A5	A6	A7						
ssbh4	A8	A9	A10	A11						
ssbh5	A12	A13	A14	A15						
ssbh6	A16	A17	A18	A19						
ssbh7	A20	A21	A22	A23						
ssbq1	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10
ssbq2	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30
ssbq3	V41	V42	V43	V44	V45	V46	V47	V48	V49	V50
ssbq4	V61	V62	V63	V64	V65	V66	V67	V68	V69	V70
ssbq5	V81	V82	V83	V84	V85	V86	V87	V88	V89	V90
ssbq6	V101	V102	V103	V104	V105	V106	V107	V108	V109	V110
ssbq7	V121	V122	V123	V124	V125	V126	V127	V128	V129	V130
ssbq8	V141	V142	V143	V144	V145	V146	V147	V148	V149	V150

V11	V12	V13	V14	V15	V16	V17	V18	V19	V20
V31	V32	V33	V34	V35	V36	V37	V38	V39	V40
V51	V52	V53	V54	V55	V56	V57	V58	V59	V60
V71	V72	V73	V74	V75	V76	V77	V78	V79	V80
V91	V92	V93	V94	V95	V96	V97	V98	V99	V100
V111	V112	V113	V114	V115	V116	V117	V118	V119	V120
V131	V132	V133	V134	V135	V136	V137	V138	V139	V140
V151	V152	V153	V154	V155	V156	V157	V158	V159	V160

ssb01	CODE	YEAR	OWNERSHI	INDUSTRY	SCALE
ssb02	RELA	MANAGE	ASSOC	A31	A32
ssb03	A33	A34	A35	A36	A37
ssb04	A38	A39	A40	A41	A42
ssb05	A43	A44	A45	A46	A47
ssb06	A48	A49	A50	A51	A52
ssb07	A53	A54	A55	A56	A57
ssb08	A58	A59	A60	A61	A62
ssb09	A63	A64	A65	A66	A67
ssb10	A68	A69	A70	A71	A72
ssb11	A73	A74	A75	A76	A77
ssb12	A78	A79	A80	A81	A82
ssb13	A83	A84	A85	A86	A87
ssb14	A88	A89	A90	A91	A92
ssb15	A93	A94	A95	A96	A97
ssb16	A98	A99	A100	A101	A102
ssb17	A111	A112	A113	A114	A115
ssb18	A116	A117	A118	A119	A120
ssb19	A121	A123	A125	A126	A127
ssb20	A128	A129	A130	A131	A132
ssb21	A134	A138	A139	A142	A143
ssb22	A144	A145	A146	A147	A148
ssb23	A149	A150	A151	A152	Q1
ssb24	P1	M1	Q2	P2	M2
ssb25	Q3	P3	M3	Q4	P4
ssb26	M4	Q5	P5	M5	Q6
ssb27	P6	M6	Q7	P7	M7
ssb28	A16	A17	A18	A19	
ssb29	CODE	YEAR	OWNERSHI	INDUSTRY	SCALE
ssb30	B6	B7	B8	B9	B10
ssb31	B11	B12	B13	B14	B15

tve01	CODE	YEAR	PROVINCE	FIRM	INDUSTRY	OWNERSHI	GV80	GVIO80	GV	GVIO
tve02	RS1	RS2	RS3	CP1	CP2	CP3	VP1	VP2	VP3	PC1
tve03	BVOP1	BVOP2	BVOP3	BVAP1	BVAP2	BVAP3	SVOP1	SVOP2	SVOP3	SVAP1
tve04	EVAP1	EVAP2	EVAP3	BIME	PME	EIME	biq1	biv1	pq1	pv1
tve05	biq2	biv2	pq2	pv2	eiq2	eiv2	biq3	biv3	pq3	pv3
tve06	pq4	pv4	eiq4	eiv4	biq5	biv5	pq5	pv5	eiq5	eiv5
tve07	eiq6	eiv6	biq7	biv7	pq7	pv7	eiq7	eiv7	biq8	biv8
tve08	biq9	biv9	pq9	pv9	eiq9	eiv9	biq10	biv10	pq10	pv10
tve09	biq11	biv11	pq11	pv11	eiq11	eiv11	biq12	biv12	pq12	pv12
tve10	pq13	pv13	eiq13	eiv13	biq14	biv14	pq14	pv14	eiq14	eiv14
tve11	pq15	pv15	eiq15	eiv15	TSR	PSR	OSR	OSR1	OSR2	OSR3
tve12	SC	SC1	FC	FC1	FC2	FC3	PICT	MICT	EAF	EAF1
tve13	RBB	RBB1	EBB	EBB1	TPROFIT	INTAX	WAGEDI	NPROFIT	PRP	PAF
tve14	ROLOAN	RFTF	ROB	PDP	OPFP	OPFP1	OPFP2	TPR	TPR1	TPR2
tve15	TPR5	TPR6	REP	REP1	REP2	RFE	TAI	IFA	IFA1	IFA2
tve16	IOE	PTTP	TNIFA	MSFA	MSFA1	MSFA11	MSFA2	MSFA3	MSFA31	MSFA4
tve17	OVFA	OVFA1	OVFA2	OVFA3	OVFA31	OVFA4	NVFA	QCC	QCC1	QCC2
tve18	QCC6	NQCC	NQCC1	NQCC2	NQCC3	NQCC31	NQCC4	LUU	SFPU	TAXPAYED
tve19	CF	GSF	DF	BCL	BCL1	BCL2	DB	DB1	IFO	BOE
tve20	TP1	TP2	TSF	TSF1	TSF11	TSF12	TSF2	TSF3	TSF4	TSF5
tve21	SOC	TCS	TYE	TYE1	TYE2	TYE3	TYE4	TYE5	TYE6	RW
tve22	AID	AIM	AIS	AIT	AIT1	NTEMPP	TRE	TWRE	NAD	NLS
tve23	EQ80	EQ70	EQ60	EQ50	EQB50	EMES	UNEQ	SHEQ	NEQ	EQOP
tve24	TCFO	TRUCK	TRUCK1	TRAIN	SHIP	QME1	QME2	QME3	QME4	QME5
tve25	SPME1	SPME2	SPME2A	SPME3	SPME4	SPME5	SPME6	SPME7	SPME8	SMME1
tve26	SMME5	SMME6	SMME7	SMME8	APME1	APME2	APME2A	APME3	APME4	APME5
tve27	AMME1	AMME2	AMME2A	AMME3	AMME4	AMME5	AMME6	AMME7	AMME8	aipc
tve28	tlf3	tlf4	tlf5	tlf6	tpaf	tpaf1	tpaf2	tpaf3	tpaf4	tpaf5
tveh1	CODE	YEAR	PROVINCE	FIRM	INDUSTRY	OWNERSHI	GV	GVIO	INCOME	
tveh2	PSI	SCOST	TPROFIT	NPROFIT	RPROFIT	OVFA	TIC	WAGE	LABOR	
tveq1	CODE	B2	C1	C2	E1	F1	Q1_1	Q1_2	Q1_3	Q1_4
tveq2	Q15_1	Q15_2	Q15_3	Q15_4	Q15_5	Q15_6	Q15_7	Q16_1	Q16_21	Q16_22
tveq3	Q31_1	Q31_21	Q31_22	Q31_23	Q31_24	Q31_25	Q31_26	Q31_27	Q32_1	Q32_11

MVC	OP1	OP2	OP3										
PC2	PC3	BITP	TPS	EITP									
SVAP2	SVAP3	EVOP1	EVOP2	EVOP3									
eiq1	eiv1												
eiq3	eiv3	biq4	biv4										
biq6	biv6	pq6	pv6										
pq8	pv8	eiq8	eiv8										
eiq10	eiv10												
eiq12	eiv12	biq13	biv13										
biq15	biv15												
OSR4	OSR5	OSR6	TSC										
EAF2	EAF3												
DONAT	DONAT1	EDPAY	ENEPAY										
TPR3	TPR4	TPR41											
IFA3	IFA31	IFA4	ICC										
MSFA5	MSFA6	MSFA7	MSFA8										
QCC3	QCC4	QCC5											
OCC	TOC	FF											
PCP	PCP1	SP	TP										
TSF6	PUI												
RW1	RW2	RW3	AIP										
NRE	NRE1	NRE2	TIE										
EQOP1	EQOP2	EQOP3	EQIP	EQIP1	EQIP2	EQIP3							
QME6	QME7	QME8											
SMME2	SMME2A	SMME3	SMME4										
APME6	APME7	APME8											
tlf	tlf1	tlf2											
nap	teae	tebl	ptt										
Q1_5	Q1_6	Q1_7	Q2_1	Q2_2	Q3_1	Q3_2	Q3_3	Q4_11	Q4_12	Q4_13	Q4_14	Q4_15	Q4_16
Q16_23	Q16_24	Q17_1	Q17_2	Q17_3	Q17_4	Q17_5	Q17_6	Q17_7	Q17_8	Q17_9	Q17_10	Q17_11	Q17_12
Q32_12	Q32_13	Q32_14	Q32_15	Q32_21	Q32_22	Q32_23	Q32_24	Q32_25	Q33_1	Q33_21	Q33_22	Q33_23	Q33_24

Q4_17	Q4_21	Q4_22	Q4_23	Q4_24	Q4_25	Q4_26	Q4_27	Q5_1	Q5_2	Q5_3	Q6_1	Q6_2	Q6_3	Q6_4
Q17_13	Q17_14	Q17_15	Q17_16	Q18_1	Q18_2	Q18_3	Q18_4	Q18_5	Q18_6	Q19_1	Q19_2	Q19_3	Q19_4	Q19_5
Q33_25	Q33_26	Q34_1	Q34_2	Q34_3	Q34_4	Q34_5	Q34_6	Q34_7	Q34_8	Q34_9	Q35_1	Q35_2	Q35_3	Q36_1

Q7_1	Q7_2	Q8_1	Q8_2	Q8_31	Q8_32	Q8_41	Q8_42	Q9_1	Q9_21	Q9_22	Q9_23	Q10_1	Q10_2	Q10_3
Q19_6	Q19_7	Q20_1	Q20_2	Q20_3	Q20_4	Q20_5	Q20_6	Q20_7	Q20_8	Q20_9	Q21_1	Q21_2	Q22	Q23_1
Q36_2	Q37	Q37_1	Q37_2	Q37_3	Q38_1	Q38_2	Q38_3	Q38_4	Q38_5	Q39_1	Q39_2	Q39_3	Q39_4	Q39_5

Q11_1	Q11_2	Q11_31	Q11_32	Q11_33	Q12_1	Q12_2	Q13_1	Q13_2	Q13_3	Q13_4	Q13_5	Q13_6	Q13_7	Q13_8
Q23_2	Q23_3	Q24_1	Q24_2	Q25_1	Q25_2	Q25_3	Q25_4	Q25_5	Q25_6	Q26	Q27_1	Q27_2	Q27_3	Q27_4
Q39_6	Q39_7	Q40_1	Q40_2	Q40_3	Q41_1	Q41_2	Q41_3	Q42_1	Q42_2	Q42_3	Q42_4	Q42_5	Q42_6	Q42_7

Q13_9	Q13_10	Q13_11	Q13_12	Q14_1	Q14_2	Q14_3	Q14_4	Q14_5	Q14_6	Q14_7
Q27_5	Q28_1	Q28_2	Q28_3	Q28_4	Q28_5	Q29	Q30_1	Q30_2	Q30_3	Q30_4
Q42_8	Q42_9	Q43_1	Q43_2	Q43_3	Q43_4	Q44_1	Q44_2	Q44_3	Q44_4	Q44_5