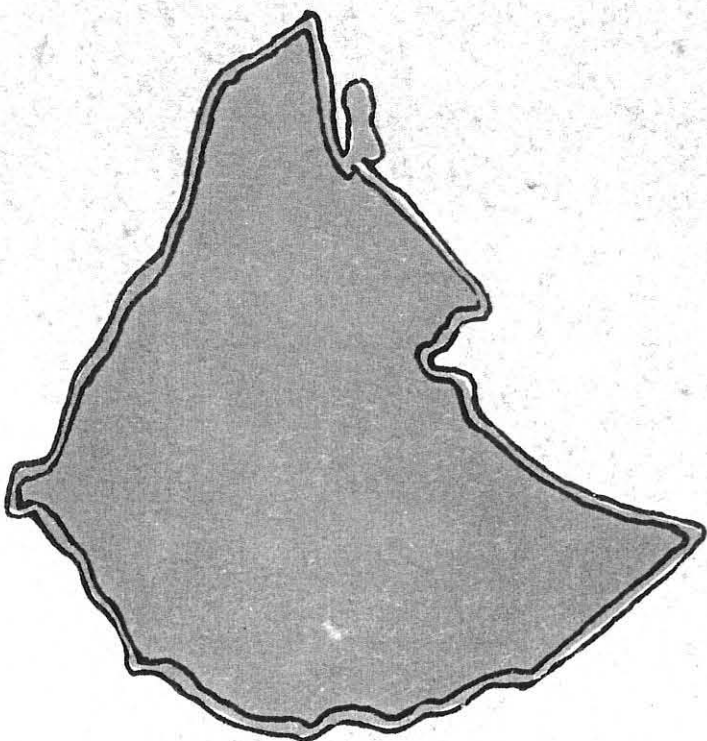


REPORT ON SURVEY  
OF  
PRIVATE MANUFACTURING  
AND  
NON-MANUFACTURING ENGINEERING  
SERVICE INDUSTRIES

1974 E. C. (1981 - 82 G. C.)



APRIL 1985

THE PROVISIONAL MILITARY GOVERNMENT  
OF SOCIALIST ETHIOPIA  
HANDICRAFTS AND SMALL SCALE INDUSTRIES  
DEVELOPMENT AGENCY

GRAPHIC PRINTERS



Report

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THE STATE OF TEXAS,  
COUNTY OF [illegible]  
I, [illegible], County Clerk,  
do hereby certify that [illegible]  
is the true and correct copy  
of the [illegible] filed for  
record in my office on [illegible]  
at [illegible] o'clock [illegible]  
of the month of [illegible] 1985.

Witness my hand and seal

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## I N T R O D U C T I O N

The Handicrafts and Small-scale Industries Development Agency (HASIDA) issued its first statistical report on small-scale industries in eleven selected towns in March 1979 and the second on twelve additional towns in May 1980.

This report is the third of its kind by HASIDA on small-scale industries and covers all regions except Gamo-Gofa and Illubabor where there were no registered small-scale manufacturing establishments at the time of the survey.

The current report is the result of the sample survey of private manufacturing industries, with less than 10 employees, combined with the result of the survey of manufacturing industries with greater than 10 employees conducted by HASIDA and the Central Statistical Office respectively. The reference period for the current report is 1974 E.C. (1981/82 G.C.).

The report has two sections, the first one dealing with private small scale manufacturing establishments and a short section (section two) on private small-scale engineering service (non-manufacturing) establishments.

HASIDA extends its gratitude to all the organizations who provided the information and to the Central Statistical Office (CSO) for their co-operation and assistance during the survey and processing of the data. The CSO also allowed the use of the data on private small-scale establishments with greater than 10 employees to be incorporated in this report. This helped in avoiding duplication of efforts, thus saving time and money.

### Objective of the survey

The main objectives of the survey were:-

1. To determine the contribution of the private small-scale manufacturing industries and selected engineering service establishments to the national economy.

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### Content of the report

This report is presented in two sections. Section one covers manufacturing small scale establishments and section two deals with non-manufacturing engineering service establishment.

In this report there are 41 tables showing detailed statistical information on distribution, employment, gross value of production & services, industrial costs and non industrial costs, fixed assets, investments etc.. of existing private manufacturing and non-manufacturing engineering service establishments.

### DEFINITIONS

1. Small scale private industry:-

Any industrial activity owned by a single individual or group of people in partnership, which used motive power driven machines and which has fixed assets (excluding buildings) not exceeding 500,000 Birr.

2. Establishments:-

Premises under the same ownership as management at a particular address.

3. Engineering service unit:-

An establishment where repair and maintenance services for engineering and industrial equipment, tools etc. are made and limited spare parts manufacturing takes place.

4. Paid-up capital:-

Is that part of the issued capital of an establishment that has been paid by the shareholders.

5. Persons engaged (workers):-

Refers to all persons engaged in the activities of an industry like production workers, working proprietors, administrative and technical employees, and seasonal and temporary workers.

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6. Employees:-

Refers to all persons engaged in the enterprise on permanent or regular basis excluding working proprietors, active partners and family workers.

7. Total earnings:-

Total income including salary & wages, commission, bonuses and hardship allowances.

8. Wages and salaries:-

Include all payments in cash and in kind made to all workers during the reference year in connection with work done for the establishment.

9. Gross value of production:-

Includes the sales value of all products of an establishment, the net change between the beginning and end of the reference period in the value of finished goods and the value of work in progress, the value of industrial services and repairs rendered to others, the value of goods bought and resold without any transformation or processing, and the value of fixed assets produced during the reference period by the unit for its own use. The valuation of gross value of production is in terms of producers' values where indirect taxes are included in the value of sales of the establishment and the value of subsidies received is excluded.

10. Gross value of services:-

The value of industrial services and repairs rendered to others, the value of goods bought and resold without any transformation or processing, and the value of fixed assets produced during the reference period by the unit for its own use.

11. Other industrial services rendered by others:-

Refer to contract repair and maintenance work done by others in the reference year on materials controlled by the



establishment. It includes also the cost of all goods purchased and resold without any transformation during the reference year and the cost of water consumed.

12. Industrial cost:-

Includes the cost of raw materials, auxiliary materials, fuels, and other supplies consumed, cost of industrial services rendered by others, cost of goods bought and resold without any transformation or processing and the cost of electricity consumed.

13. Non-Industrial cost:-

Includes payments like professional fees, postage, telephone, insurance, advertising, hired transport, rental payments etc. (depreciation is excluded)

14. Census value added (at market price):-

Is the difference between gross value of production or (services) and industrial cost. Census value added at market price minus indirect taxes not (i.e. indirect taxes less subsidies) gives census value added at factor cost.

15. Value added in the national account concept (at market price):-

Is defined as the difference between the gross value of production of services and industrial and non industrial costs. To get the same indicator at factor cost indirect taxes net (i.e. indirect taxes less subsidies) are subtracted.

16. Fixed capital assets:-

They are valued in this report at book-value and of the reference year, that is the net book-value at the beginning plus new capital expenditure minus those sold and disposed and depreciation during the reference year.



17. New capital expenditure:-

Is the cost of new or used capital equipment bought during the reference period.

N O T E :-

- a) All values are in Ethiopian Birr
- b) All values are in '000 Birr.
- c) In some of the tables details may not add-up to totals because of roundings.
- d) E.C. refers to Ethiopian calendar year and G.C. to Gregorian calendar year.
- e) In some tables if the value is less than 599 Birr, it is left blank because of roundings.
- f) n.e.c. means not else where classified.
- g) Shoa administrative region includes Addis Ababa (for tables 1.15, 1.16, 2.9, 2.10)



SECTION ONE

Manufacturing Establishments

Summary of results

Distribution

822 small-scale manufacturing establishments belonging to 10 major industrial groups have been included in this report. (HASIDA covered 592, while CSO covered 230 units) Food manufacturing, wood and wood products including furniture and manufacture of fabricated metal products except machinery and equipment are the most common. Food manufacturing accounted for 39% of all the enterprises, while manufacturing of wood and wood products and manufacture of fabricated metal products accounted for 25% and 15% respectively. These three major industrial groups together constituted about 79% of the total establishments covered by the survey.

On the other hand, 45% of the surveyed private SSIs are located in Shoa administrative region, 25% in Eritrea, 7% in Hararghe, and the remaining 24% are scattered in the other administrative regions, excluding Illubabor and Gamogofa.

Employment

Out of the 822 private small-scale manufacturing establishments covered by the survey, 72% have less than 10 employees per establishment and 28% have greater than 10 employees per establishment.

A total of 12,113 persons were engaged in all the private small-scale manufacturing establishments at the time of the survey. 42% of the total workforce were engaged in the food manufacturing establishments, 16% in the manufacturing of wood and wood products, and 8% in the manufacture of fabricated metal products.

Production workers account for 59% of the total workforce in the private SSIs while 11% are administrative and 20% are seasonal and temporary workers. 10% are working proprietors, active partners and family workers.



Since most of the private manufacturing establishments are located in Shoa administrative region, about 49% of the employment concentration is also in this region. In Eritrea it is about 30%, in Hararghe about 10% and in the other administrative regions it is about 12% (Table 1.15 and 1.16).

#### Capacity Utilization

Of all the reporting 592 small-scale private manufacturing establishments with less than 10 employees, only 26 establishments (or 4%) have been operating at full capacity. The rest have been operating below full capacity for one reason or another. The capacity utilization was only about 22% in terms of value of production in the survey year for SSIs with employment of less than ten persons.

Shortage of raw-materials is the single most important reason for not operating at full capacity of all the reporting units during the survey year. About 81% of the units indicated that the shortage of raw materials was the reason for the under-capacity utilization. Power shortage, marketing problem and financial problems were the other reasons for not operating at full capacity.

#### Raw-material

Out of the total raw materials consumed in the reference period in all the private manufacturing sector, about 74% of it was purchased from domestic sources and the rest 25% were direct imports by the establishments with 1% unspecified (source unknown). The purchase from domestic source include those imported by other agencies (public or private) and distributed locally. These are mainly metal and chemical materials and are estimated to be about 50% of all the materials from local sources. Thus, ineffect the share of the imported material consumed by all the private manufacturing sector was as high as 75% during the reference period.

The chemical industries account for about 45% of the total value of direct import of raw-material, followed by the textile groups with about 20%.



About 51% of the total cost of raw-material is accounted by the food manufacturing group and second comes the chemical group with 14% followed by wood with 9% and fabricated metal with 8%.

#### Gross value of production

The total gross value of production of all the private small-scale manufacturing establishments amounted to Birr 133,617,000 for the reference year. Food manufacturing accounted for the highest share with about 39% of the total value of production followed by chemical and wood groups with about 16% and 11% respectively. The above gross value of production estimate have been attained at an average capacity utilization rate of approximately 22% for the private manufacturing establishments with less than 10 employees. Overall capacity utilization is estimated not to exceed 30% during the reference period.

#### Value added

The total value added at market prices of all the 822 small-scale private manufacturing establishments during the reference period is calculated to be Birr 52,288,000. Food manufacturing accounted for the highest share with about 26%. Manufacturing of wood products accounted for 14%, followed by chemicals 11%, fabricated metal 10%, beverages 10%, textiles 10% and the rest 19%, all at market prices.

#### Fixed capital asset & new investment

Manufacturing establishments with greater than 10 employees numbering 217 had a fixed capital asset of Birr 22,345,000, while 590 establishments with less than 10 employees declared a total fixed capital of Birr 21,445,000. All the responding small-scale manufacturing establishments altogether had a total fixed capital worth of Birr 43,790,000 at the time of the survey. Lack of documented evidence had highly over inflated the fixed capital declared by the establishments. Thus caution should be made in the interpretation of the figures given.



Out of the total fixed asset by all the responding manufacturing establishments, Birr 2,378,000 was new investment during the reference period by 190 establishments, where 61 food manufacturing establishments had the biggest share with Birr 919,000 or 39% of the total new investment. Wood and wood products manufacturing establishments numbering 52 come second with Birr 585,000 or 25% followed by fabricated metal products manufacturing establishments with Birr 271,000 or 11%.



## SECTION TWO

### Non-manufacturing engineering service establishments

#### Summary of Results

##### Distribution :-

About 87% of the 99 non-manufacturing, engineering services establishments covered by the survey are metal work services while the remaining 13% are wood work services.

With respect to regional distribution 60% of the establishments were in Shoa administrative region and 35% in Eritrea. The rest 6% are distributed in the other regions.

##### Employment

A total of 628 persons were engaged in all the engineering service establishments covered by the survey, out of which 553 persons or 88% were in the metal work service and the rest 75 persons or 12% in the wood work service group. Techniciens accounted for about 57% of the work force in all establishments and only about 7% were administrative workers. The rest were working proprietors, active partners and family workers, including seasonal and temporary workers.

##### Raw-material

Out of the total cost of Birr 1,068,000 incurred on raw materials by the no-manufacturing engineering service establishments in the reference period only Birr 39,000 or 3.7% is indicated as spent on directly imported raw material and the rest 96.3% from local source. However, more than 50% of the raw material consumed from the local source is non-direct import or imports by other government or private agencies and distributed locally. These are mainly metal based materials consumed by the metal work service establishments, where they account for Birr 1,066,000 worth of material consumed or 99.8% of the total cost of raw material used by all the non-manufacturing establishments during the reference period.



Number of establishments, persons engaged  
and total earnings by industrial group in  
private manu. establishments  
1974 E.C. (1981/82 G.C)

Table 1.1

Industrial group	No. of estab. with employees			No. of total persons engaged in estab. with employees			Total earnings (in '000 Birr) In all estab. with employees		
	Less than 10	Greater than 10	Total	Less than 10	Greater than 10	Total	Less than 10	Greater than 10	Total
	<u>FOOD MANUFACT- URING</u>	249	75	324	2769	2270	5039	663	4039
Manu. of veg- etables animal oils & fats	155	3	158	633	125	758	223	180	403
Manu. of Bakery products Sugar factories, refineries & sugar confec- tionery	69	67	136	605	2037	2642	339	3686	4025
Manu. of food products n.e.c	12	5	17	84	108	192	60	173	233
	13	-	13	1447	-	1447	41	-	41
<u>BEVERAGE IND.</u>	3	10	13	29	323	352	55	925	980
Distilling, Re- ctifying & Blen- ding of spirits	3	5	8	29	170	199	55	543	598
Wine industries	-	1	1	-	17	17	-	69	69
Soft drinks & carbonated water industries	-	4	4	-	136	136	-	313	313
<u>MANU. OF TEX- TILES</u>	7	39	46	39	1254	1293	36	2053	2089
Spinning, weav- ing & finishing of textiles	-	2	2	-	228	228	-	327	327
Knitting mills	5	30	35	23	720	743	18	936	954
Cordage, rope & Twine industries	-	2	2	-	35	35	-	33	33
Manu. of wearing apparel except foot wear	2	5	7	16	271	287	18	757	775
<u>MANU. OF LEATH- ER &amp; LEATHER PRODUCTS</u>	7	12	19	32	374	406	36	691	727
Tanneries & leather finish- ing	2	2	4	13	28	41	14	50	64
Manu. of foot wear (Leather)	5	10	15	19	346	365	22	641	663



<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	169	33	202	800	1174	1974	775	2678	3453
Sawmills, planing & other woodmills	11	17	28	56	734	790	76	1556	1632
Manu. of furniture & fixtures, except primarily of metal	54	16	70	177	440	617	153	1122	1275
Manu. of wooden & canecontainers & small cane ware	10	-	10	34	-	34	20	-	20
Planing & other woodmills including furniture & fixture	83	-	83	472	-	472	449	-	449
Manu. of wood & cork products n.e.c.	11	-	11	61	-	61	77	-	77
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	18	17	35	79	572	651	152	1841	1993
Manu. of paper & paper products printing, publishing & allied industries	-	2	2	-	48	48	-	70	70
	18	15	33	79	524	603	152	1771	1923
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	14	28	166	479	645	180	1906	2086
Manu. of synthetic resins, plastic materials & man made fibres except glass	1	6	7	12	183	195	5	459	464
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	6	3	9	114	91	205	143	475	618
Manu. of Rubber products	1	2	3	6	112	118	9	495	504
Manu. of chemical products n.e.c.	6	2	8	34	80	114	23	408	431



<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	202	203	295	1166	310	1974
Sawmills, planing & other woodmills	28	115	40	492	143	790
Manu. of furniture & fixtures, except primarily of metal	70	64	89	443	21	617
Manu. of wooden & cane containers & small cane ware	10	-	21	3	10	34
Planing & other woodmills including furniture & fixtures	83	21	131	201	119	472
Manu. of wood & cork products n.e.c.	11	3	14	27	17	61
<u>MANU. OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUBLISHING</u>	35	101	41	477	32	651
Manu. of paper & paper products	2	5	3	35	5	48
Printing, publishing & allied industries	33	96	38	442	27	603
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	28	131	44	388	82	645
Manu. of synthetic resins, plastic materials & man made fibres except glass	7	34	6	147	8	195
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	33	18	96	58	205
Manu. of Rubber products	3	17	7	94	-	118
Manu. of chemical products n.e.c	8	46	12	40	16	114
Manu. of basic industrial chemicals except fertilizers	1	1	1	11	-	13



<u>MANU. OF NON-METAL- LIC MINERAL PRODUCTS</u>	33	93	44	411	180	728
Manu. of glass & glass products	1	-	3	1	-	4
Manu. of structural clay products	31	66	41	351	160	618
Manu. of cement, lime & plaster	1	27	-	59	20	106
<u>MANU. OF FABRICATED METAL PRODUCTS EX- CEPT MACHINERY &amp; EQUIPMENT</u>	120	89	170	673	83	1015
Manu. of cutlery, hand tools & gen- eral hard ware	6	-	6	68	-	74
Manu. of furniture & fixtures primar- ly of metal	46	16	68	81	23	188
Manu. of structural metal products	21	48	28	280	13	369
Manu. of structural metal products & furniture & fixtures primarily of metal	32	8	49	124	44	225
Manu. of fabricated metal products n.e.c.	13	15	18	91	3	127
Manu. of electrical machinery apparatus, appliances & suppli- es	2	2	1	29	-	32
<u>INDUSTRIES N.E.C.</u>	2	-	3	5	2	10
TOTAL	822	1303	1265	7108	2437	12113



Total earnings of all persons engaged in private manufacturing establishments by professional categories including Temporary workers and supplements made to wages & salaries  
1974 E.C (1981/82 G.C)

Table 1.3

(in '000 Birr)

INDUSTRIAL GROUP	Wages & Salaries					Total wages & salaries	Commission Bonuses & allowances	Supplements to wages & salaries	Total earnings
	Wages & salaries of Adm. Technical & clerical workers	Wages & salaries of workers proprietors active partners & family workers	Wages & salaries paid for production workers	Wages & salaries for seasonal and Temporary workers	Total wages & salaries				
<u>FOOD MANUFACTURING</u>	806	192	3263	102	4363	339		4702	
Manu. of vegetables & animal oils & fats	71	51	254	27	403	-		403	
Manu. of Bakery products	719	134	2785	51	3689	336		4025	
Sugar factories, Refineries & sugar confectionery	4	7	201	18	230	3		233	
Manu. of food products n.e.c.	12	-	23	6	41	-		41	
<u>BEVERAGE INDUSTRIES</u>	386	75	499	6	966	14		980	
Distilling, Rectifying & Blending of spirits	285	20	289	3	597	1		598	
Wine industries	19	-	39	-	58	11		69	
Soft drinks & carbonated water industries	82	55	171	3	311	2		313	
<u>MANU. OF TEXTILES</u>	413	88	1519	9	2029	60		2089	
Spinning, weaving & finishing of textiles	51	-	266	-	317	10		327	
Knitting mills	124	47	755	2	928	26		954	
Cordage, rope & Twine industries	1	2	20	7	30	3		33	
Manu. of wearing apparel except foot wear	237	39	478	-	754	21		775	



<u>MANU. OF LEATHER &amp; LEATHER PRO.</u>	98	9	612	7	726	1	727
Tanneries & Leather finishing	5	9	49	-	63	1	64
Manu. of foot wear (Leather)	93	-	563	7	663	-	663
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	447	246	2441	319	3453	-	3453
Sawmills, planing & other wood mills	308	158	1088	78	1632	-	1632
Manu. of furniture & fixtures, except primarily of metal	100	79	999	97	1275	-	1275
Manu. of wooden & cane containers & small cane ware	-	-	4	16	20	-	20
Planing & other wood mills including furniture & fixtures	31	5	297	116	449	-	449
Manu. of wood & cork products n.e.c	8	4	53	12	77	-	77
<u>MANU. OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUBLISHING</u>	425	126	1372	15	1938	55	1993
Manu. of paper & paper products	11	24	28	4	67	3	70
Printing, publishing & allied industries	414	102	1344	11	1871	52	1923
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	621	353	899	62	1935	151	2086
Manu. of synthetic resins, plastic materials & man made fibres except glass	148	34	239	3	424	40	464
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	174	123	275	46	618	-	618
Manu. of Rubber products	102	83	257	-	442	62	504
Manu. of chemical products n.e.c.	191	89	90	13	383	48	431
Manu. of basic industrial chemicals except fertilizers	6	24	38	-	68	1	69



Paid-up capital of reporting private manu.  
establishments by industrial group.  
1974 E.C. (1981/82 G.C)

Table 1.4

All values (in '000Birr)

INDUSTRIAL GROUP	Number of estab. with employees			Paid-up capital in estab. with employees		
	Less than 10	Greater than 10	Total	Less than 10	Greater than 10	Total
<u>FOOD MANUFACTURING</u>	247	72	319	3170	2490	5660
Manu. of vegetables & animal oils & fats	153	3	156	1638	504	2142
Manu. of Bakery products	69	64	133	1081	1957	3038
Sugar factories, Refineries and sugar confection- ery	12	5	17	63	29	92
Manu. of food pro- ducts n.e.c	13	-	13	388	-	388
<u>BEVERAGE INDUSTRIES</u>	3	10	13	547	1204	1751
Distilling, Re- ctifying & Blending of spirits	3	5	8	547	89	636
Wine industries	-	1	1	-	65	65
Soft drinks & car- bonated water indus- tries	-	4	4	-	1050	1050
<u>MANU. OF TEXTILES</u>	7	37	44	37	3412	3449
Spinning, weaving & finishing of textiles	-	2	2	-	505	505
Knitting mills	5	28	33	23	732	755
Cordage, rope & Twine industries	-	2	2	-	65	65
Manu. of wearing apparel except foot wear	2	5	7	14	2110	2124
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	7	12	19	79	507	586
Tanneries & Leather finishing	2	2	4	34	287	321
Manu. of foot wear (Leather)	5	10	15	45	220	265
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	169	30	199	1112	1757	2869
Sawmills, planing & other woodmills	11	15	26	45	1320	1365



Manu. of furniture & fixtures, except primarily of metal	54	15	69	200	437	637
Manu. of wooden & cane containers & small cane ware	10	-	10	37	-	37
Planing & other wood mills including furniture & fixtures	83	-	83	805	-	805
Manu. of wood & cork products n.e.c.	11	-	11	25	-	25
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING PUBLISHING</u>	15	17	32	297	2066	2363
Manu. of paper & paper products	-	2	2	-	211	211
Printing, publishing & allied industries	15	15	30	297	1855	2152
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	14	28	955	2209	3164
Manu. of synthetic resins, plastic materials & man made fibres except glass	1	6	7	42	970	1012
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	6	3	9	623	469	1092
Manu. of Rubber products	1	2	3	80	200	280
Manu. of chemical products n.e.c.	6	2	8	210	420	630
Manu. of basic industrial chemicals except fertilizers	-	1	1	-	150	150
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	19	14	33	514	2381	2895
Manu. of glass & glass products	1	-	1	3	-	3
Manu. of structural clay products	18	13	31	511	1971	2482
Manu. of cement, lime & plaster	-	1	1	-	410	410

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Total industrial and non-industrial costs of all  
manufacturing private estab. by industrial group  
1974 E.C (1981/82 G.C)

Table 1.6

INDUSTRIAL GROUP	Total industrial costs	Total non- industrial costs	Indirect taxes	Total industrial & non-indus- trial costs
<u>FOOD MANUFACTURING</u>	38,729	2,038	1,655	40,767
Manu. of vegetables animal oils & fats	8,058	266	339	8,324
Manu. of Bakery pro- ducts	26,963	1,635	1,212	28,598
Sugar factories, Re- fineries & sugar confectionery	2,196	63	74	2,259
Manu. of food pro- ducts n.e.c.	1,512	74	30	1,586
<u>BEVERAGE INDUSTRIES</u>				
Distilling, Rectify- ing & Blending of spirits	1,826	370	1,150	2,196
Wine industries	105	23	82	128
Soft drinks & car- bonated water industries	428	72	175	500
<u>MANU. OF TEXTILES</u>	5,518	478	708	5,996
Spinning, weaving & finishing of textiles	278	65	74	343
Knitting mills	3,014	234	330	3,248
Cordage, rope & Twine industries	84	7	3	91
Manu. of wearing apparel, except foot wear	2,142	172	301	2,314
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	2,521	180	283	2,701
Tanneries & Leather finishing	104	3	12	107
Manu. of foot wear (Leather)	2,417	177	271	2,594
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	6,876	1,134	882	8,010
Sawmills, planing & other woodmills	3,071	688	581	3,759
Manu. of furniture & fixtures except prim- arily of metals	2,063	286	148	2,349



Manu. of furniture & fixtures primarily of metal	634	31	44	665
Manu. of structural metal products	2,218	414	209	2,632
Manu. of structural metal products & furnishings & fixture primarily of metal	743	31	49	774
Manu. of fabricated metal products n.e.c.	1,547	209	98	1,756
Manu. of electrical machinery apparatus, appliances & supplies	500	30	69	530
<u>INDUSTRIES N.E.C.</u>	122	12	-	134
TOTAL	81,329	7,347	7,298	88,676

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Manu. of furniture & fixtures primarily of metal	-	-	-	-
Manu. of structural metal products	1987	385	200	2372
Manu. of structural metal products & furniture & fixtures primarily of metal	-	-	-	-
Manu. of fabricated metal products n.e.c.	1317	200	92	1517
Manu. of electrical machinery apparatus, appliances & supplies	500	30	69	530
<u>INDUSTRIES N.E.C.</u>	-	-	-	-
TOTAL	60326	6164	6119	66490

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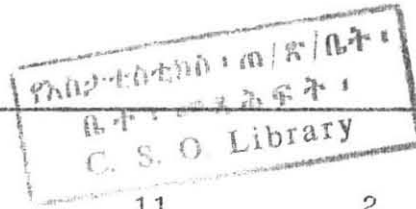
Total industrial & non-industrial costs in private  
manufacturing establishments with less than 10 employees.  
1974 E.C (1981/82 G.C)

Table 1.8

(in '000 Birr)

INDUSTRIAL GROUP	Total industrial costs	Total non-ind. costs	Indirect Taxes	Total industrial & non-ind- ustrial costs
<u>FOOD MANUFACTURING</u>	14590	367	752	14957
Manu. of vegetables and animal oils & fats	5857	126	128	5983
Manu. of Bakery pro. Sugar factories, Re- fineries & sugar con- fectionery	6268	141	568	6409
Manu. of food products n.e.c.	953	26	26	979
	1512	74	30	1586
<u>BEVERAGE INDUSTRIES</u>	237	9	56	246
Distilling, Rectifying & Blending of spiritits	237	9	56	246
Wine industries	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-
<u>MANU. OF TEXTILES</u>	134	17	1	151
Spinning, weaving & finishing of textiles	-	-	-	-
Knitting mills	109	9	-	118
Cordage, rope & Twine industries	-	-	-	-
Manu. of wearing apparel except foot wear	25	8	1	33
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	39	5	2	44
Tanneries & Leather finishing	16	-	2	16
Manu. of foot wear (Leather)	23	5	-	28
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	2259	237	175	2496
Sawmills, planing & other woodmills	110	7	12	117
Manu. of furniture & fixtures except prim- arily of metal	407	70	10	477





Manu. of wooden & cane containers & small cane ware	69	11	2	80
Planing & other wood-mills including furniture & fixtures	1279	141	117	1420
Manu. of wood & cork products n.e.c.	394	8	34	402
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	269	53	39	322
Manu. of paper & paper products	-	-	-	-
Printing, publishing & allied industries	269	53	39	322
<u>MANU. OF CHEMICALS RUBBER &amp; PLASTIC PRODUCTS</u>	1229	376	16	1605
Manu. of synthetic resins, plastic materials & man-made fibres except glass	31	3	2	34
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	898	354	1	1252
Manu. of Rubber products	54	9	8	63
Manu. of chemical products n.e.c.	246	10	5	256
Manu. of basic industrial chemical except fertilizers	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS.</u>	217	5	28	222
Manu. of glass & glass products	17	-	2	17
Manu. of structural clay products	200	5	26	205
Manu. of cement, lime & plaster	-	-	-	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	1907	102	110	2009
Manu. of cutlery, hand tools & general hardware	69	2	2	71



Manu. of furniture & fixtures primarily of metal	634	31	44	665
Manu. of structural metal products	231	29	9	260
Manu. of structural metal products & furniture & fixtures primarily of metal	743	31	49	774
Manu. of fabricated metal products n.e.c.	230	9	6	239
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	122	12	-	134
TOTAL	21003	1183	1179	22186

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Gross value of production in producers' values by industrial group in all private manufacturing establishments  
1974 E.C (1981/82 G.C)

Table 1.5

(All values in '000 Birr)

INDUSTRIAL GROUP	No. of Estab.	Gross value of production in producers' value in all private manufacturing estab.						
		Revenue from sales		Diff. of stock in		Receipts from service & Repair	Other Receipts	Gross value of prod.
		Local	Ex-port	Finished Goods	Semi-Finished Goods			
<u>FOOD MANUFACTURING</u>	324	49,715	-	754	-	1,522	149	52,141
Manu. of vegetables & animal oils & fats	158	9,334	-	716	-	40	-	10,091
Manu. of Bakery products	136	35,603	-	-	-	1,482	149	37,234
Sugar factories, Refineries & sugar confectionery	17	3,062	-	38	-	-	-	3,100
Manu. of food products n.e.c	13	1,716	-	-	-	-	-	1,716
<u>BEVERAGE IND.</u>	13	7,818	-	-120	-90	22	3	7,634
Distilling, Rectifying & Blending of spirits	8	6,484	-	-117	-86	22	-	6,304
Wine industries	1	270	-	-	-4	-	-	266
Soft drinks & carbonated water industries	4	1,064	-	-3	-	-	3	1,064
<u>MANU. OF TEXTILES</u>	46	9,589	-	544	-65	371	243	10,684
Spinning, weaving & finishing of textiles	2	496	-	-54	-	371	-	813
Knitting mills	35	5,725	-	-87	-33	-	1	5,607
Cordage, rope & twine industries	2	166	-	263	-2	-	-	428
Manu. of wearing apparel except foot wear	7	3,202	-	422	-30	-	242	3,836
<u>MANU. OF LEATHER &amp; LEATHER PRO.</u>	19	4,231	-	500	32	74	-	4,838



Tanneries & Leather finishing	4	173	-	-	-	-	-	174
Manu. of foot wear (Leather)	15	4,058	-	500	32	74	-	4,664
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	202	13,615	-	10	-9	207	269	14,092
Sawmills, planing & other woodmills	28	6,459	-	-16	-	11	262	6,717
Manu. of furniture & fixtures except primarily of metal	70	4,047	-	26	-9	57	5	4,125
Manu. of wooden & cane containers & small cane ware	10	113	-	-	-	-	2	115
Planing & other wood mills including furniture & fixtures	83	2,366	-	-	-	136	-	2,502
Manu. of wood & cork products n.e.c.	11	630	-	-	-	3	-	633
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	35	6,375	-	39	179	20	52	6,665
Manu. of paper & paper pro.	2	135	-	11	-	-	-	146
Printing, publishing & allied industries	33	6,240	-	28	179	20	52	6,519
<u>MANU. OF CHEMICALS RUBBER &amp; PLASTIC PRODUCTS</u>	28	15,020	-	400	-2	140	5,305	20,865
Manu. of synthetic resins, plastic materials & man-made fibres except glass	7	3,558	-	9	-6	117	18	3,696
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	3,833	-	222	-	-	19	4,075
Manu. of Rubber products	3	3,918	-	61	4	15	10	4,008
Manu. of chemical products n.e.c.	8	3,565	-	106	-	8	5,258	8,938
Manu. of basic industrial chemicals except fertilizers	1	146	-	2	-	-	-	148



<u>MANU. OF NON-METALLIC MINERAL PRO.</u>	33	3,721	-	1,264	5	5	51	5,046
Manu. of glass & glass products	1	2	-	-	-	2	9	14
Manu. of structural clay products	31	3,213	-	1,267	5	3	42	4,529
Manu. of cement, lime & plaster	1	506	-	-3	-	-	-	503
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	120	10,756	-	44	60	542	81	11,483
Manu. of cutlery, hand tools & general hard ware	6	630	-	-	-	25	-	655
Manu. of furniture & fixtures primarily of metal	46	1,019	-	4	-	54	22	1,099
Manu. of structural metal products	21	4,294	-	5	98	341	57	4,796
Manu. of structural metal products & furniture & fixtures primarily of metal	32	1,216	-	6	-	75	-	1,297
Manu. of fabricated metal pro. n.e.c.	13	2,806	-	21	-38	44	2	2,834
Manu. of electrical machinery apparatus, appliances & supplies	2	791	-	8	-	3	-	802
<u>INDUSTRIES N.E.C.</u>	2	167	-	-	-	2	-	169
TOTAL	822	121,007	-	3,435	110	2,905	6,153	133,617

details may not add-up to totals because of roundings



Number of establishments, gross value of production, industrial costs, Indirect Taxes and census value added in all private industries by industrial group  
1974 E.C. (1981/82 G.C)

1.9

(in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Industrial costs	Indirect Taxes	Census value added	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	324	52141	38729	1655	13412	11757
Manu. of vegetables						
animal oils & fats	158	10091	8058	339	2033	1694
Manu. of Bakery pro.	136	37234	26963	1212	10271	9059
Sugar factories, Re-						
fineries sugar con-						
fectionery	17	3100	2196	74	904	830
Manu. of food pro-						
ducts n.e.c.	13	1716	1512	30	204	174
<u>BEVERAGE INDUSTRIES</u>	13	7634	2359	1407	5275	3868
Distilling, Rectify-						
ing & Blending of						
spirits	8	6304	1826	1150	4478	3328
Wine industries	1	266	105	82	161	79
Soft drinks & car-						
bonated water industries	4	1064	428	175	636	461
<u>MANU. OF TEXTILES</u>	46	10684	5518	708	5166	4458
Spinning, weaving &						
finishing of textiles	2	813	278	74	535	461
Knitting mills	35	5607	3014	330	2593	2263
Cordage, rope & Twine						
industries	2	428	84	3	344	341
Manu. of wearing appar-						
el except foot wear	7	3836	2142	301	1694	1393
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	19	4838	2521	283	2317	2034
Tanneries & Leather						
finishing	4	174	104	12	70	58
Manu. of foot wear						
(Leather)	15	4664	2417	271	2247	1976
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	202	14092	6876	882	7216	6334
Sawmills, planing &						
other woodmills	28	6717	3071	581	3646	3065

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Manu. of furniture & fixtures except primarily of metal	70	4125	2063	148	2062	1914
Manu. of wooden & cane containers & small cane ware	10	115	69	2	46	44
Planing & other wood-mills including furniture & fixtures	83	2502	1279	117	1223	1106
Manu. of wood cork products n.e.c.	11	633	394	34	239	205
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	35	6665	2524	420	4141	3721
Manu. of paper & paper products	2	146	52	14	94	80
Printing, publishing & allied industries	33	6519	2472	406	4047	3641
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRO.</u>	28	20865	14915	1254	5950	4696
Manu. of synthetic resins, plastic materials & man-made fibres except glass	7	3696	2128	410	1568	1158
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	4075	2859	368	1216	848
Manu. of Rubber pro.	3	4008	2591	221	1417	1196
Manu. of chemical products n.e.c.	8	8938	7284	254	1654	1400
Manu. of industrial chemicals except fertilizers	1	148	53	1	95	94
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	33	5046	1772	183	3274	3091
Manu. of glass & glass products	1	14	17	2	-3	-5
Manu. of structural clay products	31	4529	1401	140	3128	2988
Manu. of cement, lime & plaster	1	503	354	41	149	108
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	120	11483	5993	506	5490	4984
Manu. of cutlery, hand tools & general hardware	6	655	351	37	304	267



Manu. of furniture & fixtures primarily of metal	46	1099	634	44	465	421
Manu. of structural metal products	21	4796	2218	209	2578	2369
Manu. of structural metal products & furnitures & fixtures primarily of metal	32	1297	743	49	554	505
Manu. of fabricated metal products n.e.c.	13	2834	1547	98	1287	1189
Manu. of electrical machinery apparatus, appliances & supplies	2	802	500	69	302	233
<u>INDUSTRIES N.E.C.</u>	2	169	122	-	47	47
TOTAL	822	133617	81329	7298	52288	44990

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Number of establishments, Gross value of production, industrial costs, Indirect Taxes and census value added in private estab. with greater than 10 employees  
1974 E.C (1981/82 G.C)

Table 1.10 (in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Industrial costs	Indirect Taxes	Census value added	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	75	33558	24139	903	9419	8516
Manu. of vegetables and animal oils & fats	3	3100	2201	211	899	688
Manu. of Bakery pro. Sugar factories, Refineries & sugar confectionery	67	28743	20695	644	8048	7404
Manu. of food products n.e.c.	5	1715	1243	48	472	424
	-	-	-	-	-	-
<u>BEVERAGE INDUSTRIES</u>	10	7222	2122	1351	5100	3749
Distilling, Rectifying & Blending of spirits	5	5892	1589	1094	4303	3209
Wine industries	1	266	105	82	161	79
Soft drinks & Carbonated water industries	4	1064	428	175	636	461
<u>MANU. OF TEXTILES</u>	39	10379	5384	707	4995	4288
Spinning, weaving & finishing of textiles	2	813	278	74	535	461
Knitting mills	30	5340	2905	330	2435	2105
Cordage, rope & Twine industries	2	428	84	3	344	341
Manu. of wearing apparel except foot wear	5	3798	2117	300	1681	1381
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	12	4742	2482	281	2260	1979
Tanneries & Leather finishing	2	144	88	10	56	46
Manu. of foot wear (Leather)	10	4598	2394	271	2204	1933
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	33	9735	4617	707	5118	4411
Sawmills, planing & other woodmills	17	6476	2961	569	3515	2946

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Manu. of furniture & fixtures, except primarily of metal	16	3259	1656	138	1603	1465
Manu. of wooden & cane containers & small cane ware	-	-	-	-	-	-
Planing & other wood-mills including furniture & fixtures	-	-	-	-	-	-
Manu. of wood & cork products n.e.c.	-	-	-	-	-	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	17	5997	2255	381	3742	3361
Manu. of paper & paper products	2	146	52	14	94	80
Printing, publishing & allied industries	15	5851	2203	367	3648	3281
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	19253	13686	1238	5567	4329
Manu. of synthetic resins, plastic materials & man-made fibres except glass	6	3648	2097	408	1551	1143
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	3	2910	1961	367	949	582
Manu. of Rubber pro.	2	3933	2537	213	1396	1183
Manu. of chemical products n.e.c.	2	8614	7038	249	1576	1327
Manu. of basic industrial chemical except fertilizers	1	148	53	1	95	94
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	14	3348	1555	155	1793	1638
Manu. of glass & glass products	-	-	-	-	-	-
Manu. of structural clay products	13	2845	1201	114	1644	1530
Manu. of cement, lime & plaster	1	503	354	41	149	108

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<u>MANU. OF FABRICATED METAL PRODUCTS EX- CEPT MACHINERY &amp; EQUIPMENT</u>						
	16	7923	4086	396	3837	3441
Manu. of cutlery, hand tools & gener- al hard ware	2	486	282	35	204	169
Manu. of furniture & fixtures primar- ily of metal	-	-	-	-	-	-
Manu. of structural metal products	9	4201	1987	200	2214	2014
Manu. of structural metal products & furniture & fixtures primarily of metal	-	-	-	-	-	-
Manu. of fabricated metal products n.e.c.	3	2434	1317	92	1117	1025
Manu. of electrical machinery apparatus, appliances & supplies	2	802	500	69	302	233
<u>INDUSTRIES N.E.C.</u>	-	-	-	-	-	-
TOTAL	230	102157	60326	6119	41831	35712

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Number of establishments, Gross value of production, industrial costs, indirect Taxes and census value added in private estab. with less than 10 employees  
1974 E.C (1981/82 G.C)

Table 1.11 (in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Indus- trial costs	Indirect Taxes	Census value added	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	249	18583	14590	752	3993	3241
Manu. of vegetables and animal oils & fats	155	6991	5857	128	1134	1006
Manu. of Bakery products	69	8491	6268	568	2223	1655
Sugar factories, Re- fineries & sugar confectionery	12	1385	953	26	432	406
Manu. of food prod- ucts n.e.c.	13	1716	1512	30	204	174
<u>BEVERAGE INDUSTRIES</u>	3	412	237	56	175	119
Distilling, Rectify- ing & Blending of spirits	3	412	237	56	175	119
Fine industries	-	-	-	-	-	-
Soft drinks & car- bonated water indus- tries	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	7	305	134	1	171	170
Spinning, weaving & finishing of textiles	-	-	-	-	-	-
Knitting mills	5	267	109	-	158	158
Ropeage, rope & Twine industries	-	-	-	-	-	-
Manu. of wearing app- arel except foot wear	2	38	25	1	13	12
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	7	96	39	2	57	55
Furrieries & Leather finishing	2	30	16	2	14	12
Manu. of foot wear (Leather)	5	66	23	-	43	43
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	169	4357	2259	175	2098	1923
Sawmills, planing & other woodmills	11	241	110	12	131	119



Manu. of furniture & fixtures except primarily of metal	54	866	407	10	459	449
Manu. of wooden & cane containers & small cane ware	10	115	69	2	46	44
Planing & other wood-mills including furniture & fixtures	83	2502	1279	117	1223	1106
Manu. of wood & cork products n.e.c.	11	633	394	34	239	205
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	18	668	269	39	399	360
Manu. of paper & paper products	-	-	-	-	-	-
Printing, publishing & allied industries	18	668	269	39	399	360
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	1612	1229	16	383	367
Manu. of synthetic resins, plastic materials & man made fibres except glass	1	48	31	2	17	15
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	6	1165	898	1	267	266
Manu. of Rubber products	1	75	54	8	21	13
Manu. of chemical products n.e.c.	6	324	246	5	78	73
Manu. of industrial chemicals except fertilizers	-	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	19	1698	217	28	1481	1453
Manu. of glass & glass products	1	14	17	2	-3	-5
Manu. of structural clay products	18	1684	200	26	1484	1458
Manu. of cement, lime & plaster	-	-	-	-	-	-

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<u>MANU. OF FABRICATED METAL PRODUCTS EX- CEPT MACHINERY &amp; EQUIPMENTT</u>						
	104	3560	1907	110	1653	1543
Manu. of cutlery, hand tools & general hardware	4	169	69	2	100	98
Manu. of furniture & fixtures primarily of metal	46	1099	634	44	465	421
Manu. of structural metal products	12	595	231	9	364	355
Manu. of structural metal products & furnitures & fix- tures primarily of metal	32	1297	743	49	554	505
Manu. of fabricated metal products n.e.c.	10	400	230	6	170	164
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	2	169	122	-	47	47
TOTAL	592	31460	21003	1179	10457	9278

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Number of establishments, Gross value of production, Industrial & non-industrial costs, Indirect Taxes and value added in the national account concept in all private manufacturing estab.  
1974 E.C (1981/82 G.C)

Table 1.12

(in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Industrial & non-industrial costs	Indirect Taxes	Value added in national account concept	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	324	5.141	40767	1655	11374	9719
Manu. of vegetables and animal oils & fats	158	10091	8324	339	1767	1428
Manu. of Bakery products	136	37234	28598	1212	8636	7424
Sugar factories, Refineries & sugar confectionery	17	3100	2259	74	841	767
Manu. of food products n.e.c.	13	1716	1586	30	130	100
<u>BEVERAGE INDUSTRIES</u>	13	7634	2824	1407	4810	3403
Distilling, Rectifying & Blending of spirits	8	6304	2196	1150	4108	2958
Wine industries	1	266	128	82	138	56
Soft drinks & carbonated water industries	4	1064	500	175	564	389
<u>MANU. OF TEXTILES</u>	46	10684	5996	708	4688	3980
Spinning, weaving & finishing of textiles	2	813	343	74	470	396
Knitting mills	35	5607	3248	330	2359	2029
Cordage, rope & Twine industries	2	428	91	3	337	334
Manu. of wearing apparel except foot wear	7	3836	2314	301	1522	1221
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	19	4838	2701	283	2137	1854
Tanneries & Leather finishing	4	174	107	12	67	55
Manu. of foot wear (Leather)	15	4664	2594	271	2070	1799



<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	202	14092	8010	882	6082	5200
Sawmills, planing & other woodmills	28	6717	3759	581	2958	2377
Manu. of furniture & fixtures except primarily of metal	70	4125	2349	148	1776	1628
Manu. of wooden & cane containers & small cane ware	10	115	80	2	35	33
Planing & other woodmills including furniture & fixtures	83	2502	1420	117	1082	965
Manu. of wood & cork pro. n.e.c.	11	633	402	34	231	197
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	35	6665	3169	420	3496	3076
Manu. of paper & paper products	2	146	64	14	82	68
Printing, publishing & allied industries	33	6519	3105	406	3414	3008
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	28	20865	16255	1254	4610	3356
Manu. of synthetic resins, plastic materials & man-made fibres except glass	7	3696	2537	410	1159	749
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	4075	3349	368	726	358
Manu. of Rubber pro.	3	4008	2770	221	1238	1017
Manu. of chemical products n.e.c.	8	8938	7538	254	1400	1146
Manu. of basic industrial chemical except fertilizers	1	148	61	1	87	86
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	33	5046	2098	183	2948	2765
Manu. of glass & glass products	1	14	17	2	-3	-5
Manu. of structural clay product	31	4529	1686	140	2843	2703

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Manu. of cement, lime & plaster	1	503	395	41	108	67
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	120	11483	6722	506	4761	4255
Manu. of cutlery, hand tools & general hard ware	6	655	365	37	290	253
Manu. of furniture & fixtures primarily of metal	46	1099	665	44	434	390
Manu. of structural metal products	21	4796	2632	209	2164	1955
Manu. of structural metal products & furniture & fixtures primarily of metal	32	1297	774	49	523	474
Manu. of fabricated metal products n.e.c.	13	2834	1756	98	1078	980
Manu. of electrical machinery apparatus, appliances & supplies	2	802	530	69	272	203
<u>INDUSTRIES N.E.C.</u>	2	169	134	-	35	35
TOTAL	822	133617	88676	7298	44941	37643

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Number of establishments, Gross value of production, Industrial & non-industrial costs, Indirect Taxes and value added in the national account concept in private estab. with greater than 10 employees.

1974 E.C (1981/82 G.C)

Table 1.13

(in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Indust- rial & non-ind- ustrial costs	Indir- ect Taxes	Value added in national account concept	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	75	33558	25810	903	7748	6845
Manu. of vegetables and animal oils & fats	3	3100	2341	211	759	548
Manu. of Bakery products	67	28743	22189	644	6554	5910
Sugar factories, Re- fineries and Sugar confectionery	5	1715	1280	48	435	387
Manu. of food pro- ducts n.e.c	-	-	-	-	-	-
<u>BEVERAGE INDUSTRIES</u>	10	7222	2578	1351	4644	3293
Distilling, Rectify- ing and Blending of spirits	5	5892	1950	1094	3942	2848
Wine industries	1	266	128	82	138	56
Soft drinks and car- bonated water indus- tries	4	1064	500	175	564	389
<u>MANU. OF TEXTILES</u>	39	10379	5845	707	4534	3827
Spinning, weaving and finishing of textiles	2	813	343	74	470	396
Knitting mills	30	5340	3130	330	2210	1880
Cordage, rope & Twine industries	2	428	91	3	337	334
Manu. of wearing apparel except foot wear	5	3798	2281	300	1517	1217
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	12	4742	2657	281	2085	1804
Tanneries & Leather finishing	2	144	91	10	53	43
Manu. of foot wear (Leather)	10	4598	2566	271	2032	1761

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<u>MANU. OF WOOD &amp; WOOD</u>						
<u>PRODUCTS INCLUDING</u>						
<u>FURNITURE</u>	33	9735	5514	707	4221	3514
Sawmills, planing & other wood mills	17	6476	3642	569	2834	2265
Manu. of furniture & fixtures, except primarily of metal	16	3259	1872	138	1387	1249
Manu. of wooden & cane containers & small cane ware	-	-	-	-	-	-
Planing & other wood-mills including furniture & fixtures	-	-	-	-	-	-
Manu. of wood & cork products n.e.c.	-	-	-	-	-	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS;</u>						
<u>PRINTING &amp; PUBLISHING</u>						
	17	5997	2847	381	3150	2769
Manu. of paper & paper products	2	146	64	14	82	68
Printing, publishing & allied industries	15	5851	2783	367	3068	2701
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>						
	14	19253	14650	1238	4603	3365
Manu. of synthetic resins, plastic materials & man-made fibres except glass	6	3648	2503	408	1145	737
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	3	2910	2097	367	813	446
Manu. of Rubber pro.	2	3933	2707	213	1226	1013
Manu. of chemical products n.e.c.	2	8614	7282	249	1332	1083
Manu. of basic Industrial chemical except fertilizers	1	148	61	1	87	86
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>						
	14	3348	1876	155	1472	1317
Manu. of glass & glass products	-	-	-	-	-	-
Manu. of structural clay products	13	2845	1481	114	1364	1250
Manu. of cement, lime & plaster	1	503	395	41	108	67



<u>MANU. OF FABRICATED METAL PRODUCTS EX- CEPT MACHINERY &amp; EQUIPMENT</u>						
	16	7923	4713	396	3210	2814
Manu. of cutlery, hand tools & general hard ware	2	486	294	35	190	157
Manu. of furniture & fixtures primarily of metal	-	-	-	-	-	-
Manu. of structural metal products	9	4201	2372	200	1829	1829
Manu. of structural metal products & fur- niture & fixtures primarily of metal	-	-	-	-	-	-
Manu. of fabricated metal products n.e.c.	3	2434	1517	92	917	825
Manu. of electrical machinery apparatus, appliances & supplies	2	802	530	69	272	203
INDUSTRIES N.E.C.	-	-	-	-	-	-
TOTAL	230	102157	66490	6119	35667	29548

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Number of establishments, Gross value of production, Industrial & non-industrial costs, Indirect Taxes and value added in the national account concept in private estab. with less than 10 employees.

1974 E.C (1981/82 G.C)

Table 1.14

(in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Gross value of prod.	Indust- rial and non-ind- ustrial costs	Indir- ect Taxes	Value added in national account concept	
					at market price	at factor cost
<u>FOOD MANUFACTURING</u>	249	18583	14957	752	3626	2874
Manu. of vegetables and animal oils & fats	155	6991	5983	128	1008	880
Manu. of Bakery pro. Sugar factories, Re- fineries & sugar con- fectionery	69	8491	6409	568	2082	1514
Manu. of food pro- ducts n.e.c.	12	1385	979	26	406	380
	13	1716	1586	30	130	100
<u>BEVERAGE INDUSTRIES</u>	3	412	246	56	166	110
Distilling, Rectify- ing Blending of spirits	3	412	246	56	166	110
Wine industries	-	-	-	-	-	-
Soft drinks & car- bonated water indus- tries	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	7	305	151	1	154	153
SPINNING, weaving & finishing of textiles	-	-	-	-	-	-
Knitting mills	5	267	118	-	149	149
Cordage, rope & Twine industries	-	-	-	-	-	-
Manu. of wearing apparel except foot wear	2	38	33	1	5	4
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	7	96	44	2	52	50
Tanneries & Leather finishing	2	30	16	2	14	12
Manu. of foot wear (Leather)	5	66	28	-	38	38

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<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	169	4357	2496	175	1861	1686
Sawmills, planing & other woodmills	11	241	117	12	124	112
Manu. of furniture & fixtures except primarily of metal	54	866	477	10	389	379
Manu. of wooden & cane containers & small cane ware	10	115	80	2	35	33
Planing & other woodmills including furniture & fixtures	83	2502	1420	117	1082	965
Manu. of wood & cork products n.e.c.	11	633	402	34	231	197
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	18	668	322	39	346	307
Manu. of paper & paper products	-	-	-	-	-	-
Printing, publishing & allied industries	18	668	322	39	346	307
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	1612	1605	16	7	-9
Manu. of synthetic resins, plastic materials & man-made fibres except glass	1	48	34	2	14	12
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	6	1165	1252	1	-87	-88
Manu. of Rubber products	1	75	63	8	12	4
Manu. of chemical products n.e.c.	6	324	256	5	68	63
Manu. of basic industrial chemical except fertilizers	-	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	19	1698	222	28	1476	1448
Manu. of glass & glass products	1	14	17	2	-3	-5
Manu. of structural clay products	18	1684	205	26	1479	1453



Manu. of cement, lime and plaster	-	-	-	-	-	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	104	3560	2009	110	1551	1441
Manu. of cutlery, hand tools & general hardware	4	169	71	2	98	96
Manu. of furniture & fixtures primarily of metal	46	1099	665	44	434	390
Manu. of structural metal products	12	595	260	9	335	326
Manu. of structural metal products & furniture & fixtures primarily of metal	32	1297	774	49	523	474
Manu. of fabricated metal products n.e.c.	10	400	239	6	161	155
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	2	169	134	-	35	35
TOTAL	592	31460	22186	1179	9274	8095

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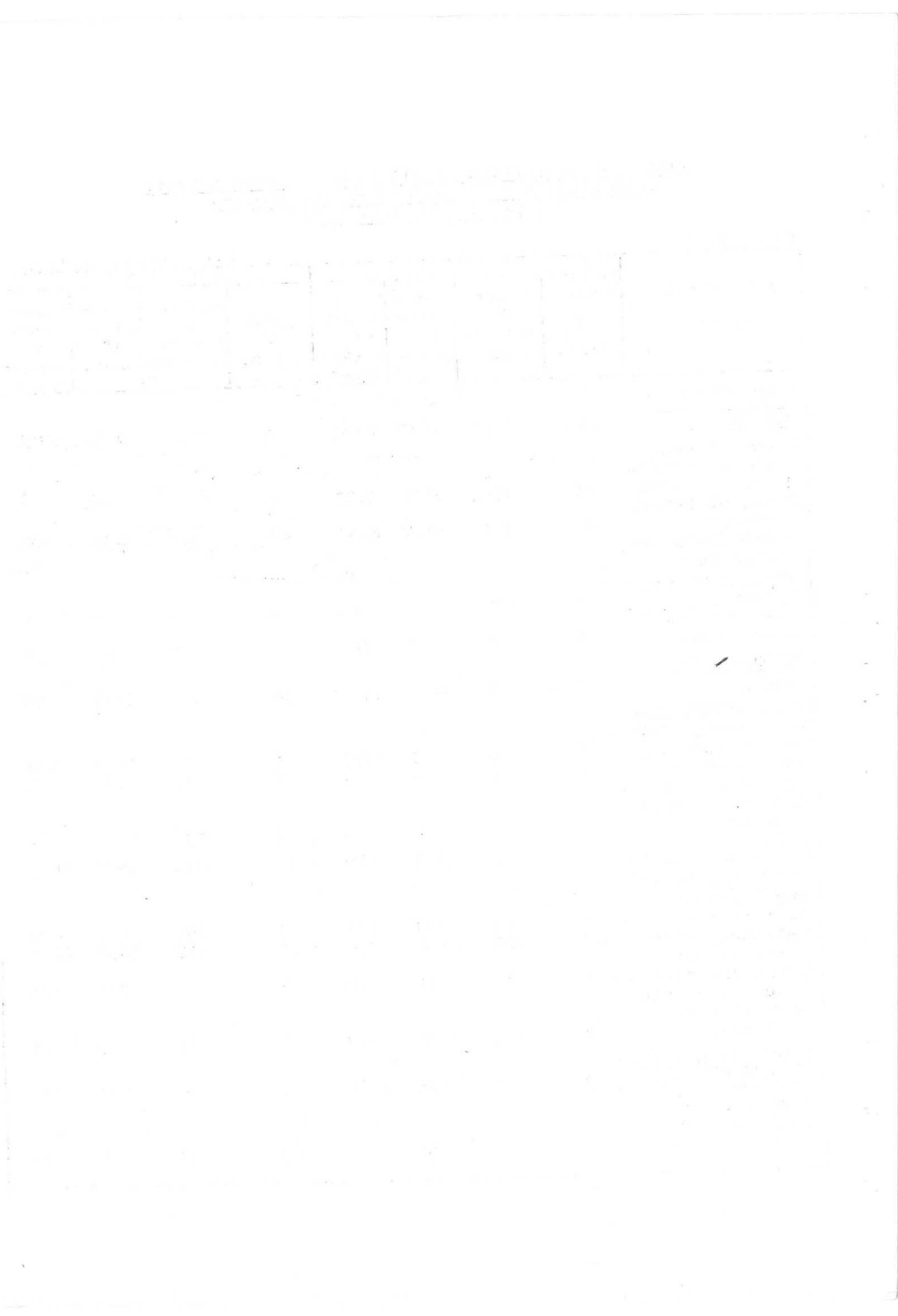


Summary of operations of all manufacturing private establishments by administrative regions  
1974 E.C (1981/82 G.C)

Table 1.15

(all values in '000 Bi

INDUSTRIAL GROUP	S H O A				E R I T R E A			
	Number of estab.	Number of persons engaged	Gross value of prod.	Value added at market price	Number of estab.	Number of persons engaged	Gross value of prod.	Value added at market price
<u>FOOD MANUFAC-</u>								
<u>TURING</u>	151	2258	31637	8765	55	1920	9864	2394
Manu. of vegetables & animal oils & fats	69	332	5123	1255	2	7	15	-
Manu. of Bakery products	64	1731	23264	6732	45	501	9048	2302
Sugar factories, Refineries & sugar confectionery	14	163	2354	669	-	-	-	-
Manu. of food pro. n.e.c.	4	32	896	109	8	1412	801	92
<u>BEVERAGE INDUS-</u>								
<u>TRIES</u>	3	112	4437	3577	10	240	3197	1698
Distilling, Rectifying & Blending of spirits	3	112	4437	3577	5	87	1867	901
Wine industries	-	-	-	-	1	17	266	161
Soft drinks & carbonated water industries	-	-	-	-	4	136	1064	636
<u>MANU. OF TEXTILES</u>	16	600	5184	2549	30	693	5500	2617
Spinning, weaving & finishing of textiles	1	78	371	237	1	150	442	298
Knitting mills	12	386	2950	1374	23	357	2657	1219
Cordage, rope & Twine industries	1	14	72	19	1	21	356	325
Manu. of wearing apparel except foot wear	2	122	1791	919	5	165	2045	775
<u>MANU. OF LEATHER &amp; LEATHER PRO.</u>	10	336	4505	2166	9	70	333	151
Tanneries & Leather finishing	1	14	51	35	3	27	123	35



Manu. of foot wear (Leather)	9	322	4454	2131	6	43	210	116
<u>MANU. OF WOOD &amp; WOOD PRODUCTS IN- CLUDING FURNITURE</u>	61	1300	9117	4643	30	100	291	142
Sawmills, planing & other woodmills	18	586	4380	2446	-	-	-	-
Manu. of furniture & fixtures except primarily of metal	11	474	3615	1761	9	61	169	96
Manu. of wooden & cane containers & small cane ware	-	-	-	-	-	-	-	-
Planing & other woodmills includ- ing furniture & fixtures	32	240	1122	436	21	39	122	46
Manu. of wood & cork products n.e.c.	-	-	-	-	-	-	-	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUB- LISHING</u>	16	35	5506	3302	17	52	859	646
Manu. of paper & paper products	-	-	-	-	2	48	146	94
printing, publish- ing & allied indus- tries	16	35	5506	3302	15	4	713	552
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	18	354	13903	3496	8	277	6781	2420
Manu. of synthetic resins, plastic materials & man- made fibres except glass	4	69	1547	759	3	126	2149	809
Manu. of soap & cleaning preparat- ions, perfumes, cosmetics & other toilet preparations	7	175	3580	1113	1	20	476	99
Manu. of Rubber pro.	-	-	-	-	3	118	4008	1417
Manu. of chemical products n.e.c.	7	110	8776	1624	-	-	-	-
<u>MANU. OF NON-METAL- LIC MINERAL PRO.</u>	13	150	3120	2196	12	69	1334	777
Manu. of glass & glass products	1	4	14	-3	-	-	-	-

Item No.	Description	Quantity	Unit Price	Total Price	Remarks
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Manu. of structural clay products	11	70	2603	2050	12	69	1334	777
Manu. of cement, lime & plaster	1	106	503	149	-	-	-	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT.</u>	78	752	8848	4305	33	217	2280	975
Manu. of cutlery, hand tools & general hardware	5	61	597	264	1	13	58	40
Manu. of furniture & fixtures primarily of metal	24	120	581	221	22	68	518	244
Manu. of structural metal products	15	266	3853	2116	2	68	626	263
Manu. of structural metal products & furniture & fixture primarily of metal	28	216	1271	547	-	-	-	-
Manu. of fabricated metal products n.e.c	6	89	2546	1157	6	36	276	126
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	2	32	802	302
<u>INDUSTRIES N.E.C.</u>	2	10	169	47	-	-	-	-
TOTAL	358	5907	86426	35046	204	3638	30439	11820

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Summary of operations of all manufacturing private establishments by administrative regions  
1974 E.C. (1981/82 G.C.)

Table 1.16

(All values in '000 Birr)

INDUSTRIAL GROUP	H A R A R G H E				OTHER REGIONS			
	Number of estab.	Number of persons engaged	Gross value of prod.	Value added at market price	Number of estab.	Number of persons engaged	Gross value of prod.	Value added at market price
<u>FOOD MANUFACTURING</u>	10	178	2621	613	108	683	8019	1640
Manu. of vegetables, animal oils & fats	-	-	-	-	27	419	4953	778
Manu. of Bakery products	9	170	2503	574	18	240	2419	663
Sugar factories, refineries & sugar confectionery	1	8	118	39	2	21	628	196
Manu. of food products n.e.c.	-	-	-	-	1	3	19	3
<u>BEVERAGE INDUSTRIES</u>	-	-	-	-	-	-	-	-
Distilling, rectifying & blending of spirits	-	-	-	-	-	-	-	-
Wine industries	-	-	-	-	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	-	-	-	-	-	-	-	-
Spinning, weaving & finishing of textiles	-	-	-	-	-	-	-	-
Knitting mills	-	-	-	-	-	-	-	-
Cordage, rope & twine industries	-	-	-	-	-	-	-	-
Manu. of wearing apparel except footwear.	-	-	-	-	-	-	-	-
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	-	-	-	-	-	-	-	-
Tanneries & leather finishing	-	-	-	-	-	-	-	-
Manu. of footwear (leather)	-	-	-	-	-	-	-	-
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	40	216	1283	817	71	358	3401	1614
Sawmills, planing & other woodmills	7	136	767	544	3	68	1570	656



Manu. of furniture & fixtures except primarily of metal	26	29	139	103	24	53	202	102
Manu. of wooden & cane containers & small cane ware	3	23	20	13	7	11	95	33
planing & other woodmills including furniture & fixtures	-	-	-	-	30	193	1258	741
Manu. of wood & cork products n.e.c.	4	28	357	157	7	33	276	82
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>								
Manu. of paper & paper products	-	-	-	-	-	-	-	-
Printing, publishing & allied industries	1	483	290	187	1	81	10	6
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>								
Manu. of synthetic resins, plastic materials & man-made fibers except glass	-	-	-	-	-	-	-	-
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	1	10	19	4	-	-	-	-
Manu. of rubber products	-	-	-	-	-	-	-	-
Manu. of chemical products n.e.c.	1	4	162	30	-	-	-	-
Manu. of basic industrial chemicals except fertilizers.	-	-	-	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>								
Manu. of glass & glass products	-	-	-	-	-	-	-	-
Manu. of structural clay products	3	263	350	186	5	246	242	115
Manu. of cement, lime & plaster	-	-	-	-	-	-	-	-



<u>MANU. OF FABRI-</u>									
<u>CATED METAL PRO-</u>									
<u>DUCTS EXCEPT MA-</u>									
<u>CHINERY &amp; EQUIP</u>									
<u>MENT</u>									
	-	-	-	-	9	46	355	210	
Manu. of cutlery, handtools & gener- al hardware	-	-	-	-	-	-	-	-	-
Manu. of furni- ture & fixtures primarily of metal	-	-	-	-	-	-	-	-	-
Manu. of struc- tural metal pro- ducts	-	-	-	-	4	35	317	199	
Manu. of struc- tural metal pro- ducts & furni- tures & fixtures primarely of metal	-	-	-	-	4	9	26	7	
Manu. of fabri- cated metal pro- ducts n.e.c.	-	-	-	-	1	2	12	4	
Manu. of elec- trical machinery apparatus, ap- pliances & sup- plies	-	-	-	-	-	-	-	-	-
<u>INDUSTRIES N.E.S.</u>	-	-	-	-	-	-	-	-	-
T O T A L	56	1154	4725	1837	194	1414	12027	3585	



<u>MANU. OF FABRI- CATED METAL PRO- DUCTS EXCEPT MA- CHINERY &amp; EQUIP- MENT</u>								
	-	-	-	-	9	46	355	210
Manu. of cutlery, handtools & gener- al hardware	-	-	-	-	-	-	-	-
Manu. of furni- ture & fixtures primarily of metal	-	-	-	-	-	-	-	-
Manu. of struc- tural metal pro- ducts	-	-	-	-	4	35	317	199
Manu. of struc- tural metal pro- ducts & furni- tures & fixtures primarily of metal	-	-	-	-	4	9	26	7
Manu. of fabri- cated metal pro- ducts n.e.c.	-	-	-	-	1	2	12	4
Manu. of elec- trical machinery apparatus, ap- pliances & sup- plies	-	-	-	-	-	-	-	-
<u>INDUSTRIES N.E.S.</u>	-	-	-	-	-	-	-	-
T O T A L	56	1154	4725	1837	194	1414	12027	3585



Cost of raw materials, energy consumed, payment  
for industrial services rendered by others and  
total industrial costs in all private manufacturing  
establishments by industrial group  
1974 E.C. (1981/82 E.C.)

Table 1.17

(in '000 Birr)

INDUSTRIAL GROUP	Cost of raw materials consumed			TOTAL	cost of energy consumed	Payment for industrial services rendered	Total industrial costs
	Local	Imported	un-specified				
<u>FOOD MANUFACTURING</u>	33542	1622	-	35164	2544	1017	38729
Manu. of vegetables and animal oils & fats	7707	4	-	7711	170	176	8058
Manu. of bakery products	22420	1405	-	23925	2234	803	26963
Sugar factories, refineries & sugar confectionery	1938	113	-	2051	117	27	2196
Manu. of food products n.e.c.	1477	-	-	1477	23	11	1512
<u>BEVERAGE INDUSTRIES</u>	1889	294	-	2183	97	79	2359
Distilling, Rectifying, Blending of spirits	1530	218	-	1748	25	53	1826
Wine industries	72	18	-	90	8	7	105
Soft drinks & carbonated water industries	287	58	-	345	64	19	428
<u>MANU. OF TEXTILES</u>	1553	3490	-	5043	148	324	5518
Spinning, weaving & finishing of textiles	123	-	-	123	57	98	278
Knitting mills	862	2053	-	2915	48	49	3014
Cordage, rope & Twine industries	75	-	-	75	7	1	84
Manu. of wearing apparel except footwear	493	1437	-	1930	36	176	2142
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	1159	1299	-	2458	18	44	2521
Tanneries & leather finishing	44	54	-	98	4	1	104
Manu. of footwear (leather)	1115	1245	-	2360	14	43	2417



<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>							
	5844	333	-	6177	225	471	6876
Sawmills, planing & other woodmills	2490	70	-	2560	118	393	3071
Manu. of furniture & fixtures except primarily of metal	1808	173	-	1981	54	26	2063
Manu. of wooden & cane containers & small cane ware	57	-	-	57	7	5	69
Planing & other woodmills including furniture & fixtures	1136	61	-	1197	41	40	1279
Manu. of wood & cork products n.e.c.	353	29	-	382	5	7	394
<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>							
	1839	391	-	2230	108	186	2524
Manu. of paper & paper products	35	-	-	35	15	2	52
Printing, publishing & allied industries	1804	391	-	2195	93	184	2472
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>							
	1565	7991	-	9156	380	5076	14915
Manu. of synthetic resins, plastic materials & man-made fibres except glass	418	1508	-	1926	95	106	2128
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	872	1916	-	2788	32	39	2859
Manu. of Rubber products	-	2230	-	2230	182	178	2591
Manu. of chemical products n.e.c.	269	2209	-	2478	63	4742	7284
Manu. of basic industrial chemical except fertilizers	6	28	-	34	8	119	53
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>							
	928	112	-	1070	577	125	1772
Manu. of glass & glass products	7	-	-	7	-	10	17
Manu. of structural clay products	907	72	-	979	338	83	1401
Manu. of cement, lime & plaster	14	70	-	84	239	32	354



<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>							
	2742	2222	545	5509	294	188	5993
Manu. of cutlery, hand- tools & general hard- ware	72	3	258	333	9	9	351
Manu. of furniture & fixtures primarily of metal	304	256	-	570	28	35	634
Manu. of structural metal products	1696	67	237	2050	89	80	2218
Manu. of structural metal products & fur- niture & fixtures primarily of metal	515	176	-	689	40	14	753
Manu. of fabricated metal products n.e.c.	89	1315	-	1404	99	43	1547
Manu. of electrical machinery apparatus, appliances & supplies	66	397	-	463	29	7	500
<u>INDUSTRIES N.E.C.</u>	119	-	-	119	2	-	122
<b>TOTAL</b>	<b>51180</b>	<b>17684</b>	<b>545</b>	<b>69409</b>	<b>4393</b>	<b>7510</b>	<b>81329</b>

Details may not add-up to totals because of roundings.



Cost of raw materials, energy consumed, payment for industrial services rendered by others and total industrial costs in private manufacturing establishments with greater than 10 employees  
1974 E.C. (1981/82) G.C.

Table 1.18

(in '000 Birr)

INDUSTRIAL GROUP	Cost of Raw Materials consumed				cost of energy consumed	Payment for industrial services rendered	Total industrial costs
	Local	Im-ported	Un-specified	Total			
<u>FOOD MANUFACTURING</u>	20344	1229	-	21573	1911	655	24139
Manu. of vegetables							
animal oils & fats	2099	3	-	2102	49	50	2201
<u>Manu. of Bakery products</u>	17108	1192	-	18300	1805	590	20695
Sugar factories, refineries & sugar confectionery	1137	34	-	1171	57	15	1243
Manu. of food products n.e.c.	-	-	-	-	-	-	-
<u>BEVERAGE INDUSTRIES</u>	1763	197	-	1960	87	75	2122
Distilling, Rectifying							
Blending of spirits	1404	121	-	1525	15	49	1589
Wine industries	72	18	-	90	8	7	105
Soft drinks & carbonated water industries	287	58	-	345	64	19	428
<u>MANU. OF TEXTILES</u>	1535	3385	-	4920	146	317	5384
Spinning, weaving & finishing of textiles	123	-	-	123	57	98	278
Knitting mills	861	1948	-	2809	47	49	2905
Cordage, rope & twine industries	75	-	-	75	7	1	84
Manu. of wearing apparel except footwear	476	1437	-	1913	35	169	2117
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	1131	1289	-	2420	16	44	2482
Tanneries & Leather finishing	35	48	-	83	3	1	88
Manu. of footwear (Leather)	1096	1241	-	2337	13	43	2394
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	3964	98	-	4062	143	411	4617
Sawmills, planing & other woodmills	2397	58	-	2455	115	391	2961
Manu. of furniture & fixtures except primarily of metal	1567	40	-	1607	28	20	1656
Manu. of wooden & cane containers & small cane ware	-	-	-	-	-	-	-



Planing & other wood-mills including furniture & fixtures	-	-	-	-	-	-	-
Manu. of wood & cork products n.e.c.	-	-	-	-	-	-	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUBLISHING</u>							
	1600	389	-	1989	94	172	2255
Manu. of paper & paper products	35	-	-	35	15	2	52
Printing, publishing & allied industries	1565	389	-	1954	79	170	2203
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>							
	907	7419	-	8326	333	5025	13686
Manu. of synthetic resins, plastic materials & manmade fibres except glass	418	1497	-	1905	85	106	2097
Manu. of soap & cleaning preparations, perfumes, cosmetics, & other toilet preparations	220	1733	-	1953	5	4	1961
Manu. of rubber products	-	2190	-	2190	178	168	2537
Manu. of chemical products n.e.c.	263	1981	-	2244	57	4736	7038
Manu. of basic industrial chemical except fertilizers	6	28	-	34	8	11	53
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>							
	753	110	-	893	555	107	1555
Manu. of glass & glass products	-	-	-	-	-	-	-
Manu. of structural clay products	739	70	-	809	316	75	1201
Manu. of cement, lime & plaster	14	70	-	84	239	32	354
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>							
	1690	1520	545	3755	202	129	4086
Manu. of cutlery, hand-tools & general hardware	14	-	285	272	7	3	282
Manu. of furniture & fixtures primarily of metal	-	-	-	-	-	-	-
Manu. of structural metal products	1548	-	287	1835	75	77	1987



Manu. of structural metal products & furniture & fixtures primarily of metal	-	-	-	-	-	-	-
Manu. of fabricated metal products n.e.c.	62	1123	-	1185	91	41	1317
Manu. of electrical machinery apparatus, appliances & supplies	66	397	-	463	29	8	500
<u>INDUSTRIES N.E.C.</u>	-	-	-	-	-	-	-
TOTAL	33687	15666	545	49898	3487	6933	60326

Details may not add-up to totals because of roundings.



Cost of Raw materials, energy consumed, payment for industrial services rendered by other and total industrial costs in private manufacturing establishments with less than 10 employees  
1974 E.C. (1981/82 G.C.)

Table 1.19 (in '000 Birr)

INDUSTRIAL GROUP	Cost of raw materials consumed				Cost of energy consumed	Payment for industrial services rendered	Total industrial cost
	Local	Im-ported	un-specified	Total			
<u>FOOD MANUFACTURING</u>	13198	393	-	13591	633	362	14590
Manu. of vegetables							
animal oils & fats	5608	1	-	5609	121	126	5857
Manu. of bakery products	5312	313	-	5625	429	213	6268
Sugar factories, refineries & sugar confectionery	801	79	-	880	60	12	953
Manu. of food products n.e.c.	1477	-	-	1477	23	11	1512
<u>BEVERAGE INDUSTRIES</u>	126	97	-	223	10	4	237
Distilling, Rectifying							
Blending of spirits	126	97	-	223	10	4	237
Wine industries	-	-	-	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	18	105	-	123	2	7	134
Spinning, weaving & finishing of textiles	-	-	-	-	-	-	-
Knitting mills	1	105	-	106	1	-	109
Cordage, rope & Twine industries	-	-	-	-	-	-	-
Manu. of wearing apparel except footwear	17	-	-	17	1	7	25
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	28	10	-	38	2	-	39
Tanneries & leather finishing	9	6	-	15	1	-	16
Manu. of footwear (leather)	19	4	-	23	1	-	23
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	1880	235	-	2115	82	60	2259
Sawmill, planing & other wood mills	93	12	-	105	3	2	110
Manu. of furniture & fixtures except primarily of metal	241	133	-	374	26	6	407



Manu. of wooden & cane containers & small cane ware	57	-	-	57	7	5	69
Planing & other wood-mills including furniture & fixtures	1136	61	-	1197	41	40	1279
Manu. of wood & cork products n.e.c.	353	29	-	382	5	7	394
<u>MANU. OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUBLISHING</u>	239	2	-	241	14	14	269
Manu. of paper & paper products	-	-	-	-	-	-	-
Printing, publishing & allied industries	239	2	-	241	14	14	269
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	658	472	-	1130	47	51	1229
Manu. of synthetic resins, plastic materials & man-made fibres except glass	-	21	-	21	10	-	31
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	652	183	-	835	27	35	898
Manu. of Rubber products	-	40	-	40	4	10	54
Manu. of chemical products n.e.c.	6	228	-	234	6	6	246
Manu. of basic industrial chemicals except fertilizers	-	-	-	-	-	-	-
<u>MANU. OF NON METALLIC MINERAL PRODUCTS</u>	175	2	-	177	22	18	217
Manu. of glass & glass products	7	-	-	7	-	10	17
Manu. of structural clay products	168	2	-	170	22	8	200
Manu. of cement, lime & plaster	-	-	-	-	-	-	-
<u>METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	1052	702	-	1754	92	61	1907
Manu. of cutelry, hand-tools & general hardware	58	3	-	61	2	6	69
Manu. of furniture & fixtures primarily of metal	304	266	-	570	28	35	634
Manu. of structural metal products	148	67	-	215	14	3	231



Manu. of structural metal products & furniture & fixtures primarily of metal	515	174	-	689	40	14	743
Manu. of fabricated metal products n.e.c.	27	192	-	219	8	3	230
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	119	-	-	119	2	-	122
<b>TOTAL</b>	<b>17493</b>	<b>2018</b>	<b>-</b>	<b>19511</b>	<b>906</b>	<b>577</b>	<b>21003</b>

Details may not add-up to totals because of roundings

= 77 =

EST	07	04	010	-	010	010	EST
070	8	8	010	-	001	00	070
-	-	-	-	-	-	-	-
SSP	-	1	010	-	-	010	SSP
LOGS	010	000	0100	-	010	010	LOGS

EST 010 010  
 070 010 010  
 - - -  
 SSP 010 010  
 LOGS 010 010

EST 010 010  
 070 010 010  
 - - -  
 SSP 010 010  
 LOGS 010 010

Number of establishments and cost of energy consumed  
in all private manufacturing establishments  
by industrial group

1974 E.C. (1981/82 G.C.)

Table 1.20

INDUSTRIAL GROUP	Number of estab. by type of energy consumed		Total cost of energy consumed (in '000 Birr)		
	Elec tricity	wood, charcoal & other fuels	Elec- tricity	Wood, charcoal & other fuels	TOTAL
<u>FOOD MANUFACTURING</u>	261	172	300	2244	2544
Manu. of vegetables animal oils & fats	97	60	118	52	170
Manu. of Bakery products	135	91	159	2075	2234
Sugar factories, Refineries & sugar confectionery	17	14	8	109	117
Manu. of food products n.e.c.	12	7	15	8	23
<u>BEVERAGE INDUSTRIES</u>	13	11	18	79	97
Distilling, Rectifying & Blending of spirits	8	6	6	19	25
Wine industries	1	1	1	7	8
Soft drinks & carbonated water industries	4	4	11	53	64
<u>MANU. OF TEXTILES</u>	46	30	105	43	148
Spinning, weaving & finishing of textiles	2	2	45	12	57
Knitting mills	35	23	41	7	48
Cordage, rope & Twine industries	2	2	7	-*	7
Manu. of wearing apparel except foot wear	7	3	12	14	36
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	19	7	18	-	18
Tanneries & leather finishing	4	4	4	-*	4
Manu. of foot wear (leather)	15	3	14	-*	14
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	184	92	140	85	225
Sawmills, planing & other woodmills.	27	12	74	44	118
Manu. of furniture & fixtures except primarily of metal	60	33	27	27	54
Manu. of wooden & cane con- tainers & small cane ware	10	7	6	1	7
Planing & other woodmills including furniture & fix- tures	77	33	28	13	41
Manu. of wood cork products n.e.c.	10	7	5	-*	5



<u>MANU. OF PAPER &amp; PAPER PRODUCTS; PRINTING &amp; PUBLISHING</u>	35	25	62	46	108
Manu. of paper & paper products	2	1	14	1	15
Printing, publishing & allied industries	33	24	48	45	93
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	27	16	178	202	380
Manu. of synthetic resins, plastic materials & man-made fibres except glass	7	4	68	27	95
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	7	10	22	32
Manu. of Rubber products	3	2	49	133	182
Manu. of chemical products n.e.c.	7	2	43	20	63
Manu. of industrial chemicals except fertilizers	1	1	8	—*	8
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	30	26	114	463	577
Manu. of glass & glass products	1	1	—*	—*	—
Manu. of structural clay products	28	24	96	242	338
Manu. of cement, lime & plaster	1	1	18	221	239
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	120	60	140	154	294
Manu. of cutlery, handtools & general hardware	6	5	5	4	9
Manu. of furniture & fixtures primarily of metal	46	15	20	8	28
Manu. of structural metal products	22	9	59	30	89
Manu. of structural metal products & furnitures & fixtures primarily of metal	32	19	21	19	40
Manu. of fabricated metal products n.e.c.	13	10	21	78	99
Manu. of electrical machinery apparatus, appliances & supplies	2	2	14	15	29
<u>INDUSTRIES N.E.C.</u>	2	1	—*	2	2
TOTAL	737	440	1037	3311	4393

\*Indicates all values less than 599 Birr which is left blank because of roundings.



Number of establishments and cost of energy consumed  
in private manufacturing establishments with  
greater than 10 employees  
1974 E.C. (1981/82 G.C.)

Table 1.21

INDUSTRIAL GROUP	Number of estab. type of energy consumed		Total cost of energy consumed (in '000 Birr)		
	Elec- tricity	Wood, charcoal & other fuels	Elec- tricity	Wood, charcoal & other fuels	Total
<u>FOOD MANUFACTURING</u>	75	30	169	1742	1911
Manu. of vegetables animal oils & fats	3	2	34	15	49
Manu. of Bakery products Sugar factories, Refineries & sugar confectionery	67	25	130	1675	1805
Manu. of food products n.e.c.	5	3	5	52	57
	-	-	-	-	-
<u>BEVERAGE INDUSTRIES</u>	10	8	17	70	87
Distilling, Rectifying & Blending of spirits	5	3	5	10	15
Wine industries	1	1	1	7	8
Soft drinks & carbonated water industries	4	4	11	53	64
<u>MANU. OF TEXTILES</u>	39	25	104	42	146
Spinning weaving & finishing of textiles	2	2	45	12	57
Knitting mills	30	18	40	7	47
Cordage, rope & Twine industries	2	2	7	-*	7
Manu. of wearing apparel except footwear	5	3	12	23	35
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	12	3	16	-	16
Tanneries & Leather finishing	2	2	3	-*	3
Manu. of footwear (Leather)	10	1	13	-*	13
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	32	14	88	55	143
Sawmills, planing & other wood mills	16	8	71	44	115
Manu. of furniture & fixtures except primarily of metal	16	6	17	11	28
Manu. of wooden & cane con- tainers & small cane ware	-	-	-	-	-
Planing & other woodmills including furniture & fixtures	-	-	-	-	-
Manu. of wood & cork products n.e.c.	-	-	-	-	-
<u>MANU. OF PAPER &amp; PAPER PRO- DUCTS; PRINTING &amp; PUBLISHING</u>	17	9	55	39	94
Manu. of paper & paper pro- ducts	2	1	14	1	15



Printing, publishing & allied industries	15	8	41	38	79
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	14	8	157	176	333
Manu. of synthetic resins, plastic materials & manmade fibres except glass	6	3	59	26	85
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	3	2	3	2	5
Manu. of Rubber products	2	1	48	130	178
Manu. of chemical products n.e.c.	2	1	39	18	57
Manu. of basic industrial chemicals except fertilizers	1	1	8	-*	8
<u>MANU OF NON-METALLIC MINERAL PRODUCTS</u>	14	11	106	449	555
Manu. of glass & glass products	-	-	-	-	-
Manu. of structural clay products	13	10	88	228	316
Manu. of cement, lime & plaster	1	1	18	221	239
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	16	11	81	121	202
Manu. of cutlery, handtools & general hardware	2	1	4	3	7
Manu. of furniture & fixtures primarily of metal	-	-	-	-	-
Manu. of structural metal products	9	5	48	27	75
Manu. of structural metal products & furnitures & fixtures primarily of metal	-	-	-	-	-
Manu. of fabricated metal products n.e.c.	3	3	15	76	91
Manu. of electrical machinery apparatus appliances & supplies	2	2	14	15	29
<u>INDUSTRIES N.E.C.</u>	-	-	-	-	-
TOTAL	229	119	793	2694	3487

\*Indicates all values less than 599 Birr which is left blank because of roundings.



Number of establishments and cost of energy  
consumed in private manufacturing industries  
with less than 10 employees  
1974 E.C. (1981/82 G.C.)

Table 1.22

INDUSTRIAL GROUP	Number of estab. by type of energy consumed		Total cost of energy consumed (in '000 Birr)		
	Elec- tricity	Wood, charcoal & other fuels	Elec- tric- ity	Wood, charcoal & other fuels	Total
<u>FOOD MANUFACTURING</u>	186	142	131	502	633
Manu. of vegetables, animal oils & fats	94	58	84	37	121
Manu. of bakery products Sugar factories, Refineries & sugar confectionery	68	66	29	400	429
Manu. of food products n.e.c.	12	11	3	57	60
<u>BEVERAGE INDUSTRIES</u>	12	7	15	8	23
Distilling, Rectifying	3	3	1	9	10
Blending of spirits	-	-	-	-	-
Wine industries	-	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	7	5	1	1	2
Spinning, weaving & finish- ing of textiles	-	-	-	-	-
Knitting mills	5	5	1	-*	1
Cordage, rope & Twine industries	-	-	-	-	-
Manu. of wearing apparel except footwear	2	-	-	1	1
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	7	4	2	-	2
Tanneries & leather finishing	2	2	1	-*	1
Manu. of footwear (leather)	5	2	1	-*	1
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	152	78	52	30	82
Sawmills, planing & other woodmills	11	4	3	-*	3
Manu. of furniture & fixtures except primarily of metal	44	27	10	16	26
Manu. of wooden & cane con- tainers & small cane ware	10	7	6	1	7
Planing & other woodmills in- cluding furniture & fixtures	77	33	28	13	41
Manu. of wood & cork products n.e.c.	10	7	5	-*	5
<u>MANU. OF PAPER &amp; PAPER PRO- DUCTS PRINTING &amp; PUBLISHING</u>	18	16	7	7	14
Manu. of paper & paper products	-	-	-	-	-
Printing, publishing & allied industries	18	16	7	7	14



<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	13	8	21	26	47
Manu. of synthetic resins, plastic materials & manmade fibres except glass	1	1	9	1	10
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	6	5	7	20	27
Manu. of rubber products	1	1	1	3	4
Manu. of chemical products n.e.c.	5	1	4	2	6
Manu. of basic industrial chemicals except fertilizers	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	16	15	8	14	22
Manu. of glass & glass products	1	1	-*	-*	-
Manu. of structural clay products	15	14	8	14	22
Manu. of cement, lime & plaster	-	-	-	-	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	104	49	59	33	92
Manu. of cutlery, handtools & general hardware	4	4	1	1	2
Manu. of furniture & fixtures primarily of metal	46	15	20	8	28
Manu. of structural metal products	12	4	11	3	14
Manu. of structural metal products & furniture & fixtures primarily of metal	32	19	21	19	40
Manu. of fabricated metal products n.e.c.	10	7	6	2	8
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	2	1	-*	2	2
TOTAL	508	321	282	624	906

\*Indicates all values less than 599 Birr which is left blank because of roundings.



Fixed assets of all reporting private manufacturing establishments by industrial group  
1974 E.C.(1981/82 G.C.)

Table 1.23

(All values in '000 Birr)

INDUSTRIAL GROUP	Number of estab	Building and other Construction works	Machinery and equipment	Vehicles	Others	Total
<u>FOOD MANUFACTURING</u>	315	2596	7994	974	401	19965
Manu of vegetables animal oils & fats	155	1547	3085	430	118	5180
Manu of Bakery products	132	1008	4358	509	280	6155
Sugar factories, Refineries & sugar confecionery	15	16	187		2	205
Manu of good, products n.e.c.	13	25	364	35	1	425
<u>BEVERAGE FOOD INDUSTRIES</u>	12	966	804	200	283	2253
Distilling, Rectifying						
Blending of spirits	8	846	406	118	282	1652
Wine industries	-	-	-	-	-	-
Soft drinks carbonated						
Water industries	4	120	398	82	1	601
<u>MANU OF TEXTILES</u>	45	667	1703	77	175	2622
Spinning, wearing & finishing of textiles	2	74	274	-	14	362
Knitting mills	34	351	1249	42	130	1772
Cordage, rope & Twine industries	32	62	29	6	1	98
Manu of wearing apparel except foot wear	7	180	151	29	30	390
<u>MANU OF LEATHER &amp; LEATHER PRODUCTS</u>	18	302	822	61	36	1221
Manu of wearing apparel except foot wear	-	-	-	-	-	-
Tanneries & Leather finishing	4	261	358	35	-	567
Manu. of footwear(Leather)	14	41	464	26	36	567
<u>MANU OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	200	1821	3383	785	167	6156
sawmills, planing & other wood mills	26	638	1033	653	51	2375
Manu of furniture & fixtures except primarily of metal	70	424	999	82	75	1580
Manu of woodan & Cane						
Containers & Small cane ware	10	269	107	-	-	376
Planning & Other woodmills including furniture & fixtures	83	426	1082	30	27	1565
Manu of wood & cork products n.e.c	11	64	162	20	14	260
<u>MANU OF PAPER &amp; PAPER PRODUCTS, PRINTING &amp; PUBLISHING</u>	35	1018	4570	59	346	5993



Manu of paper & paper products printing, publishing & allied industries	2	145	103	5	7	269
	33	873	4467	54	339	5733
<u>MANU OF CHEMICALS</u>						
<u>RUBBER &amp; PLASTIC PRODUCTS</u>	28	1330	2491	690	367	4878
Manu of synthetic resins, plastic materials & man-made fibres except glass	7	215	1053	100	16	1384
Manu of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	9	179	425	392	54	1050
Manu of Rubber products	3	162	238	21	23	444
Manu of Chemical products n.e.c	8	732	627	157	139	1655
Manu of industrial Chemicals except fertilizers	1	42	148	20	135	345
<u>MANU OF NON- METALLIC</u>						
<u>MINERAL PRODUCTS</u>	33	510	990	446	32	1978
Manu of glass & glass products	1	-	6	=	-	6
Manu of structural clay products	31	480	871	389	26	1766
Manu of cement ,lime & plaster	1	30	113	57	6	206
<u>MANU OF FABRICATED</u>						
<u>METAL PRODUCTS EXCEPT</u>						
<u>MACHINERY &amp; EQUIPMENT</u>	119	1431	4933	219	135	6718
Manu of cutlery , handtools & general hardware	6	9	173	16	3	201
Manu of furniture & fixtures primarily of metal	46	352	993	115	56	1516
Manu of structural metal products	20	425	1224	77	53	1779
Manu of structural metal products & furnitures & fixtures primarily of metal	32	228	1328	10	1	1567
Manu of fabricated metal products n.e.c.	13	297	1100	=	21	1418
Manu of electrical machinery apparatus, appliances & supplies	2	120	115	1	1	237
<u>INDUSTRIES N.E.C</u>	2	-	6	-	-	6
<b>TOTAL</b>	<b>807</b>	<b>10641</b>	<b>27696</b>	<b>3511</b>	<b>1942</b>	<b>43790</b>

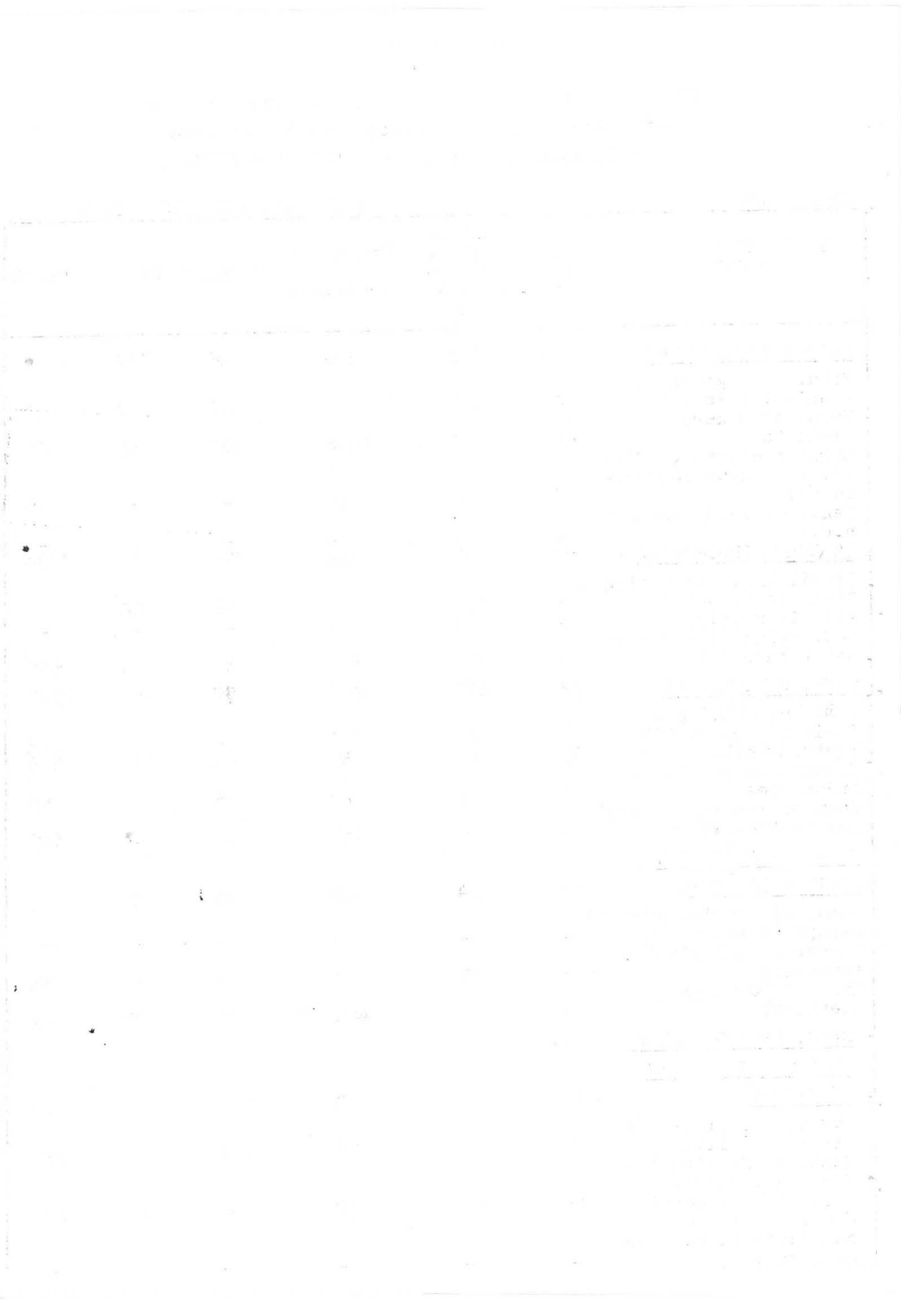
Year	Q1	Q2	Q3	Q4	Total	Notes
1970	100	100	100	100	400	
1971	100	100	100	100	400	
1972	100	100	100	100	400	
1973	100	100	100	100	400	
1974	100	100	100	100	400	
1975	100	100	100	100	400	
1976	100	100	100	100	400	
1977	100	100	100	100	400	
1978	100	100	100	100	400	
1979	100	100	100	100	400	
1980	100	100	100	100	400	
1981	100	100	100	100	400	
1982	100	100	100	100	400	
1983	100	100	100	100	400	
1984	100	100	100	100	400	
1985	100	100	100	100	400	
1986	100	100	100	100	400	
1987	100	100	100	100	400	
1988	100	100	100	100	400	
1989	100	100	100	100	400	
1990	100	100	100	100	400	
1991	100	100	100	100	400	
1992	100	100	100	100	400	
1993	100	100	100	100	400	
1994	100	100	100	100	400	
1995	100	100	100	100	400	
1996	100	100	100	100	400	
1997	100	100	100	100	400	
1998	100	100	100	100	400	
1999	100	100	100	100	400	
2000	100	100	100	100	400	
2001	100	100	100	100	400	
2002	100	100	100	100	400	
2003	100	100	100	100	400	
2004	100	100	100	100	400	
2005	100	100	100	100	400	
2006	100	100	100	100	400	
2007	100	100	100	100	400	
2008	100	100	100	100	400	
2009	100	100	100	100	400	
2010	100	100	100	100	400	
2011	100	100	100	100	400	
2012	100	100	100	100	400	
2013	100	100	100	100	400	
2014	100	100	100	100	400	
2015	100	100	100	100	400	
2016	100	100	100	100	400	
2017	100	100	100	100	400	
2018	100	100	100	100	400	
2019	100	100	100	100	400	
2020	100	100	100	100	400	
2021	100	100	100	100	400	
2022	100	100	100	100	400	
2023	100	100	100	100	400	
2024	100	100	100	100	400	
2025	100	100	100	100	400	
2026	100	100	100	100	400	
2027	100	100	100	100	400	
2028	100	100	100	100	400	
2029	100	100	100	100	400	
2030	100	100	100	100	400	

Fixed Assets of reporting private manufacturing establishments with greater than 10 employees by industrial group. 1974 E.C (1981/82G.C)

Table 1.24

(All values in '000 Rrr)

INDUSTRIAL GROUP	Number of estab.	Building & other construction works	Machinery & equipment	Vehicles	Others	Total
<u>FOOD MANUFACTURING</u>	68	500	2856	726	157	4239
Manu. of vegetables & animal oils & fats	2	155	180	217	2	554
Manu. of Bakery products	63	337	2608	509	155	3609
Sugar factories, Refineries & sugar confectionery	3	8	68	-	-	76
Manu. of food products n.e.c.	-	-	-	-	-	-
<u>BEVERAGE INDUSTRIES</u>	9	717	722	178	67	1684
Distilling, Rectifying & Blending of spirits	5	597	324	96	66	1083
Wine industries	-	-	-	-	-	-
Soft drinks & carbonated water industries	4	120	398	82	1	601
<u>MANU. OF TEXTILES</u>	38	667	1497	77	151	2392
Spinning, Weaving & finishing of textiles	2	74	171	-	2	247
Kintting mills	29	351	1160	42	119	1672
Cordage, rope & twine industries	2	62	29	6	1	98
Manu of wearing apparel except foot wear	5	180	137	29	29	375
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	11	84	458	28	29	599
Manu. of wearing apparel except footwear	-	-	-	-	-	-
Tanneries & leather finishing	2	43	54	2	-	99
Manu of footwear (leather)	9	41	404	26	29	500
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING</u>						
<u>FURNITURE</u>	31	472	1388	695	77	2632
Sawmills, planing & other woodmills.	15	421	956	653	51	2081
Manu. of furniture & fixtures, except primarily of metal	16	51	432	42	26	551
Manu. of wooden & cane containers & small cane ware	-	-	-	-	-	-



Planing & Other woodmills including furniture & fixtures	-	-	-	-	-	-
Manu. of wood & cork products n.e.c	-	-	-	-	-	-
<u>MANU OF PAPER &amp; PAPER PRODUCTS,</u>						
<u>PRINTING &amp; PUBLISHING</u>	17	906	1298	40	286	2530
Manu. of paper & paper products	2	145	103	5	7	260
Printing, publishing & allied industries	15	761	1195	35	279	2270
<u>MANU. OF CHEMICALS, RUBBER &amp;</u>						
<u>PLASTIC PRODUCTS</u>	14	1104	1916	357	352	3729
Manu of synthetic resins, plastic materials & man made fibres except glass.	6	215	1011	93	15	1334
Manu, of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	3	48	184	73	41	346
Manu. of Rubber products	2	67	106	14	23	210
Manu of chemical products n.e.c.	2	732	467	157	138	1494
Manu. of Basic Industrial chemicals except fertilizers	1	42	148	20	135	345
<u>MANU OF NON-METALLIC</u>						
<u>MINERAL PRODUCTS</u>	14	294	533	419	24	1270
Manu. of glass & glass products	-	-	-	-	-	-
Manu. of structural clay products	13	264	420	362	18	1064
Manu. of cement, lime, & plaster	1	30	113	57	6	206
<u>MANU OF FABRICATED METAL</u>						
<u>PRODUCTS EXCEPT MACHINERY</u>						
<u>AND EQUIPMENT</u>	15	737	2372	86	75	3270
Manu. of cutlery, handtools & general hardware	2	5	113	16	3	137
Manu of furniture and fixtures primarily of metal	-	-	-	-	-	-
Manu. of structural metal products	8	365	1076	69	50	1560
Manu. of structural metal products & furniture & fixtures primarily of metal	-	-	-	-	-	-
Manu. of fabricated metal products n.e.c.	3	247	1068	-	21	1336
Manu. of electrical machinery apparatus, appliances & supplies.	2	120	115	1	1	237
INDUSTRIES N.E.C.	-	-	-	-	-	-
<b>TOTAL</b>	<b>217</b>	<b>5481</b>	<b>13040</b>	<b>2606</b>	<b>1218</b>	<b>22345</b>



Fixed Assets of reporting private manufacturing establishments with less than 10 employees by industrial group 1974 E.C (1981/82 G.C)

Table 1.25

(All values in '000 Birr)

INDUSTRIAL GROUP	Number of estab.	Building and other construction works	Machinery and equipment	Vehicles	Others	total
<u>FOOD MANUFACTURING</u>	247	2096	5138	248	244	7726
Manu. of vegetables and animal oils & fats	153	1392	2905	213	116	4626
Manu. of Bakery products	69	671	1750	-	125	2546
Sugar factories, Refineries & sugar confectionery	12	8	119	-	2	129
Manu. of food products n.e.c	13	25	364	35	1	425
<u>BEVERAGE INDUSTRIES</u>	3	249	82	22	216	569
Distilling, Rectifying & Blending of Spirits	3	249	82	22	216	569
Wine industries	-	-	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	7	-	206	-	24	230
Spinning, weaving & finishing of textiles	-	-	103	-	12	115
Knitting mills	5	-	89	-	11	100
Cordage, rope & Twine industries	-	-	-	-	-	-
Manu. of wearing apparel except foot wear	2	-	14	-	1	15
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	7	218	364	33	7	622
Manu. of wearing apparel except foot wear.	-	-	-	-	-	-
Tanneries & Leather finishing	2	218	304	33	-	555
Manu. of footwear (Leather)	5	-	60	-	7	67
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	169	1349	1995	90	90	3524
Sawmills, planing & other woodmills	11	217	77	-	-	294
Manu. of furniture & fixtures except primarily of metal	54	373	567	40	49	1029
Manu. of wooden & cane containers & small cane ware	10	269	107	-	-	376
Planing & other woodmills including furniture & fixtures	83	426	1082	30	27	1565
Manu. of wood & cork products n.e.c	11	64	162	20	14	260



MANU OF PAPER & PAPER PRODUCTS

PRINTING & PUBLISHING 18 112 3272 19 60 3463

Manu. of paper & paper products - - - - -  
 Printing, publishing & allied industries 18 112 3272 19 60 3463

MANU. OF CHEMICALS, RUBBER &

PLASTIC PRODUCTS 14 226 575 333 15 1149

Manu. of Synthetic resins, plastic materials & man made fibres except glass. 1 - 42 7 1 50

Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations 6 131 241 319 13 704

Manu. of rubber products 1 95 132 7 - 234

Manu. of chemical products n.e.c 6 - 160 - 1 161

Manu. of Basic industrial chemicals except fertilizers - - - - -

MANU. OF NON-METALLIC MINERAL

PRODUCTS 19 216 457 27 8 708

Manu. of glass & glass products 1 - 6 - - 6

Manu. of structural clay products 18 216 451 27 8 702

Manu. of cement, lime & plaster - - - - -

MANU. OF FABRICATED METAL

PRODUCTS EXCEPT MACHINERY &

EQUIPMENT 104 694 2561 133 60 3448

Manu. of cutlery hand tools and general hardware. 4 4 60 - - 64

Manu. of furniture & fixtures primarily of metal 46 352 993 115 56 1516

Manu. of structural metal products 12 60 148 8 3 219

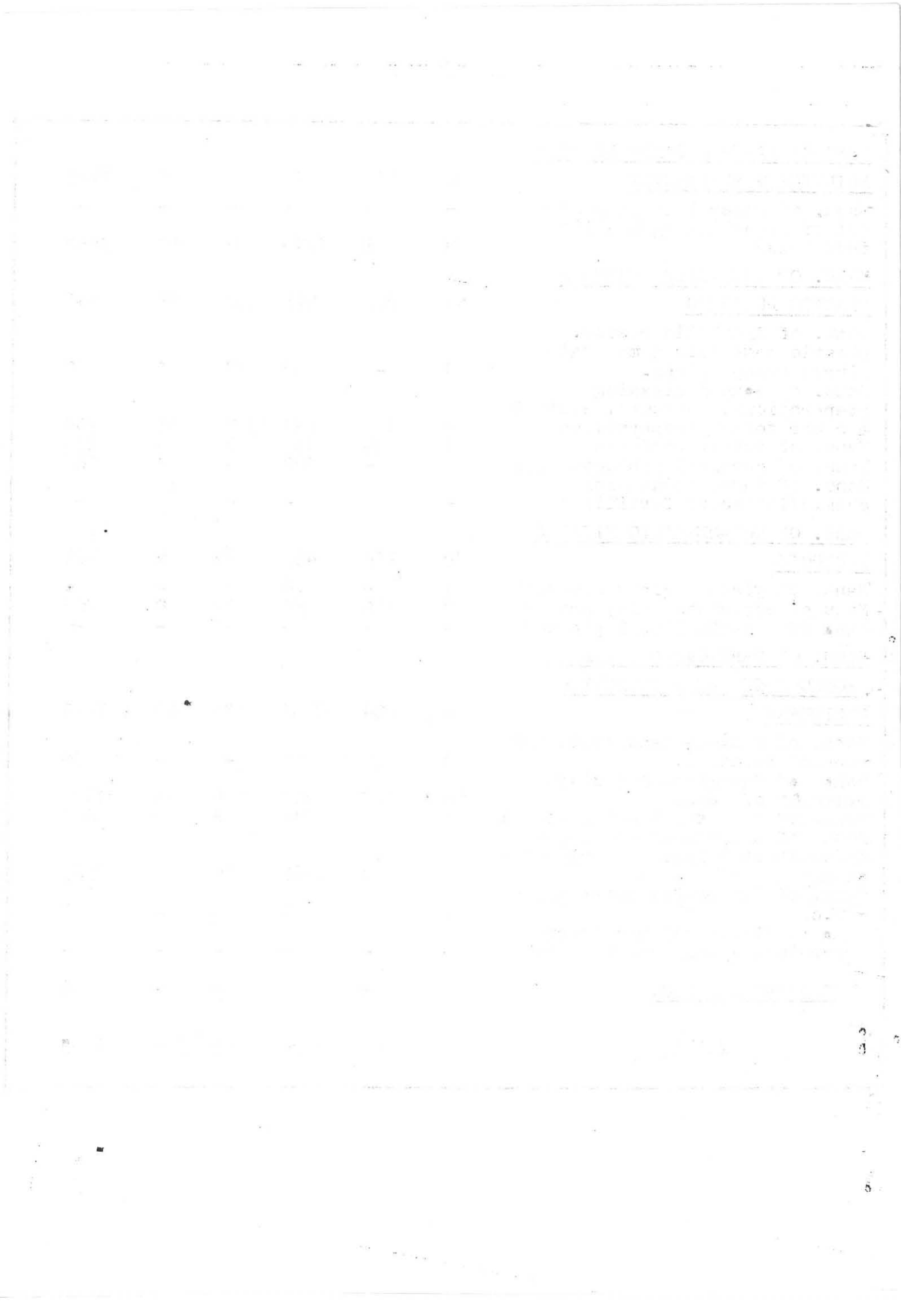
Manu. of structural metal products & furniture & fixtures primarily of metal 32 228 1328 10 1 1567

Manu. of fabricated metal products n.e.c. 10 50 32 - - 82

Manu. of electrical machinery apparatus, appliances & supplies - - - - -

INDUSTRIES N.E.C. 2 - 6 - - 6

Total 590 5160 14656 905 724 21445



Investment in fixed assets of all reporting private manufacturing establishments by industrial group 1974 E.C /1981/82 G.C /

Table 1.26

INDUSTRIAL GROUP	Number of estab.	DOMESTIC			SOURCE		Foreign source
		Own fund	Bank loan	Unsp-ecified	Others	Total	
<u>FOOD MANUFACTURING</u>	61	775	93	-	51	919	-
Manu. of vegetables animal oils & fats	34	267	88	-	39	394	-
Manu. of bakery products	23	476	5	-	-	481	-
Sugar factories, refineries & sugar confectionery.	1	1	-	-	-	1	-
Manu. of food products n.e.c	3	31	-	-	12	43	-
<u>BEVERAGE INDUSTRIES</u>	1	19	-	-	-	19	-
Distilling rectifying, blending of spirits	1	19	-	-	-	19	-
Wine industries	-	-	-	-	-	-	-
Soft drinks & carbonated water industries.	-	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	6	23	-	-	16	38	-
Spinning, weaving & finishing of textiles.	1	3	-	-	-	3	-
Knitting mills	2	19	-	-	-	19	-
Cordage, rope & twine industries	1	-	-	-	15	15	-
Manu. of wearing apparel except foot wear	2	1	-	-	-	1	-
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	1	6	-	-	-	6	-
Manu. of wearing apparel except foot wear.	-	-	-	-	-	-	-
Tanneries & leather finishing	-	-	-	-	-	-	-
Manu. of foot wear/leather/	1	6	-	-	-	6	-
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	52	493	69	-	23	585	-
Sawmills, planing & other woodmills.	2	111	-	-	-	111	-
Manu. of furniture & fixtures except primarily of metal.	20	210	-	-	-	210	-



Manu. of wooden & cane containers & small cane ware	4	1	-	-	-	1	-
Planing & other wooden mills including furniture & fixtures	19	158	69	-	-	227	-
Manu. of wood & cork products n.e.c	7	13	-	-	23	36	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS,</u>							
<u>PRINTING &amp; PUBLISHING</u>							
Manu. of paper & paper products	1	3	-	-	-	3	-
Printing, publishing & allied industries	9	82	-	-	-	82	21
<u>MANU. OF CHEMICALS, RUBBER &amp; PRODUCTS</u>							
Manu. of synthetic resins, plastic materials & man-made fibres except glass.	2	11	25	-	-	37	-
Manu. of soap & cleaning preparations, perfumes, cosmetics other toilet preparation.	2	38	20	-	-	58	-
Manu. of rubber products	1	33	-	-	-	33	-
Manu. of chemical products n.e.c	2	69	-	-	-	69	-
Manu. of basic industrial chemicals except fertilizers	-	-	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>							
Manu. of glass & glass products	-	-	-	-	-	-	-
Manu. of structural clay products	13	105	40	-	-	145	-
Manu. of cement lime & plaster	1	88	-	-	-	88	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>							
Manu. of cutlery, handtools & general hardware.	4	4	-	-	-	4	-
Manu. of furniture & fixtures primarily of metal.	8	75	-	-	-	75	-
Manu. of structural metal products.	11	103	29	-	-	132	-
Manu. of structural metal products & furniture & fixtures primarily of metal	13	59	-	-	-	59	-
Manu. of fabricated metal products n.e.c	2	1	-	-	-	1	-
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>							
TOTAL	190	1987	276	-	115	2378	21



Investment in fixed assets of reporting private  
manufacturing establishments with greater than 10 employees  
1974 E.C ( 1981/82 G.c )

Table 1.27

( In ' 000 Birr )

INDUSTRIAL GROUP	N <sup>o</sup> of estab	Domestic Source					Foreign Source
		Own fund	Bank loan	un sp- ecified	Others	Total	
<u>FOOD MANUFACTURING</u>	9	84	5	=	=	89	=
Manu. of Vegetables animal oils & fats	1	18	±	=	=	18	=
Manu. of Bakery products Sugar factories, Refineries & sugar Confectionery	8	66	5	=	=	71	=
Manu. of food products n.c.c	=	=	=	=	=	=	=
<u>BEVERAGE INDUSTRIES</u>	1	19	=	=	=	19	=
Distilling, Rectifying Blending of Spirits.	1	19	=	=	=	19	=
Wine industries	=	=	=	=	=	=	=
Soft drinks & Carbonated water industries	=	=	=	=	=	=	=
<u>MANU. OF TEXTILES</u>	6	23	=	=	16	38	=
Spinning, Weaving & finishing of textiles	1	3	=	=	=	3	=
Knitting mills	2	19	=	=	=	19	=
Cordage rope & Twine indust- ies	1	=	=	=	15	15	=
Manu. of wearing apparel except foot wear	2	1	=	=	=	1	=
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	1	6	=	=	=	6	=
Manu. of wearing Apparel except footwear	=	=	=	=	=	=	=
Tanneries & Leather finishing Manu. of foot wear ( Leather)	1	6	=	=	=	6	=
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUDING FURNITURE</u>	11	150	=	=	=	150	=
Sawmills, planing & Other woodmills	2	111	=	=	=	111	=
Manu. of furniture & fixtures except primarily of metal	9	39	=	=	=	39	=
Manu. of Wooden & Cane Containers & Small cane ware	=	=	=	=	=	=	=



Planing & other wood mills including furniture & fixtures	=	=	=	=	=	=	=
Manu. of wood & cork products n.e.c.	=	=	=	=	=	=	=
<u>MANU. OF PAPER &amp; PAPER PRODUCTS PRINTING &amp; PUBLISHING</u>	6	60	=	=	=	60	=
Manu. of paper & paper products	1	3	=	=	=	3	=
Printing, publishing & allied industries	5	57	=	=	=	57	=
<u>MANU. OF CHEMICALS RUBBER &amp; PLASTIC PRODUCTS</u>	4	80	25	=	=	105	=
Manu. of synthetic resins, plastic materials & manmade fibres except glass	2	11	25	=	=	36	=
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations	=	=	=	=	=	=	=
Manu. of Rubber products	=	=	=	=	=	=	=
Manu. of chemical products n.e.c.	2	69	=	=	=	69	=
Manu. of basic industrial chemicals except fertilizers	=	=	=	=	=	=	=
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	4	147	=	=	=	147	=
Manu. of glass & glass products	=	=	=	=	=	=	=
Manu. of structural clay products	3	59	=	=	=	59	=
Manu. of cement, lime & plaster	1	88	=	=	=	88	=
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	4	66	13	=	=	79	=
Manu. of cutlery, hand tools & general hard ware	=	=	=	=	=	=	=
Manu. of furniture & fixture primarily of metal	=	=	=	=	=	=	=
Manu. of structural metal products	4	66	13	=	=	79	=
Manu. of structural metal products & furniture & fixtures primarily of metal	=	=	=	=	=	=	=
Manu. of fabricated metal products n.e.c.	=	=	=	=	=	=	=
Manu. of electrical machinery apparatus appliances & supplies	=	=	=	=	=	=	=
<u>INDUSTRIES N.E.C</u>	=	=	=	=	=	=	=
T O T A L	46	635	43	=	16	694	=



Investment in fixed assets of reporting private manufacturing  
establishments with less than 10 employees  
1974 E.C (1981/82 G.C)

Table 1.28

(in '000 Birr)

INDUSTRIAL GROUP	Domestic Source						Fore- ign source
	No. of estab.	Own fund	Bank Loan	unspe- cified	others	Total	
<u>FOOD MANUFACTURING</u>	52	691	88	-	51	830	-
Manu. of vegetables animal oils a fats	33	249	88	-	39	376	-
Manu. of bakery products	15	410	-	-	-	410	-
Sugar factories refineries & sugar confectionery	1	1	-	-	-	1	-
Manu. of food products n.e.c	3	31	-	-	12	43	-
<u>BEVERAGE INDUSTRIES</u>	=	-	-	-	-	-	-
Distilling, rectifying blending of spirits	-	-	-	-	-	-	-
Wine industries	-	-	-	-	-	-	-
Soft drinks & carbonated water industries	-	-	-	-	-	-	-
<u>MANU. OF TEXTILES</u>	-	-	-	-	-	-	-
Spinning, weaving & finishing of textiles	-	-	-	-	-	-	-
Knitting mills	-	-	-	-	-	-	-
Cordage, rope & twine industries	-	-	-	-	-	-	-
Manu. of wearing apparel except footwear	-	-	-	-	-	-	-
<u>MANU. OF LEATHER &amp; LEATHER PRODUCTS</u>	-	-	-	-	-	-	-
Manu. of wearing apparel except foot- wear	-	-	-	-	-	-	-
Tanneries & leather finishing	-	-	-	-	-	-	-
Manu. of foot-wear (leather)	-	-	-	-	-	-	-
<u>MANU. OF WOOD &amp; WOOD PRODUCTS INCLUD- ING FURNITURE</u>	41	343	69	-	23	435	-
Sawmills, planing & other woodmills	-	-	-	-	-	-	-
Manu. of furniture & fixtures except primarily of metal	11	171	-	-	-	171	-
Manu. of wooden & cane containers & small cane ware	4	1	-	-	-	1	-
Planing & other woodmills including furniture & fixtures.	19	158	69	-	-	227	-
Manu. of wood & cork products n.e.c.	7	13	-	-	23	36	-
<u>MANU. OF PAPER &amp; PAPER PRODUCTS</u>							
<u>PRINTING &amp; PUBLISHING</u>	4	25	-	-	25	50	21



Manu. of paper & paper products	-	-	-	-	-	-	-
Printing, publishing & allied industries	4	25	-	-	-	25	21
<u>MANU. OF CHEMICALS, RUBBER &amp; PLASTIC PRODUCTS</u>	3	71	20	-	-	91	-
Manu. of synthetic resins plastic materials & man made fibres except glass.	-	-	-	-	-	-	-
Manu. of soap & cleaning preparations, perfumes, cosmetics & other toilet preparations.	2	38	20	-	-	58	-
Manu. of rubber products	1	33	-	-	-	33	-
Manu. of chemical products n.e.c.	-	-	-	-	-	-	-
Manu. of basic industrial chemicals except fertilizers	-	-	-	-	-	-	-
<u>MANU. OF NON-METALLIC MINERAL PRODUCTS</u>	10	46	40	-	-	86	-
Manu. of glass & glass products	-	-	-	-	-	-	-
Manu. of structural clay products	10	46	40	-	-	86	-
Manu. of cement, lime & plaster	-	-	-	-	-	-	-
<u>MANU. OF FABRICATED METAL PRODUCTS EXCEPT MACHINERY &amp; EQUIPMENT</u>	34	176	16	-	-	192	-
Manu. of cutlery hand tools & general hardware	4	4	-	-	-	4	-
Manu. of furniture & fixtures primarily of metal	8	75	-	-	-	75	-
Manu. of structural metal products	7	37	16	-	-	53	-
Manu. of structural metal products & furniture & fixtures primarily of metal	13	59	-	-	-	59	-
Manu. of fabricated metal products n.e.c.	2	1	-	-	-	1	-
Manu. of electrical machinery apparatus, appliances & supplies	-	-	-	-	-	-	-
<u>INDUSTRIES N.E.C.</u>	-	-	-	-	-	-	-
T o t a l	144	1352	233	-	99	1684	21



Capacity utilization, no of estab. not operating at full capacity by the indicated problems-in manufacturing private estab. with less than 10 employees 1974 E.C. (1981-82 G.C)

Table 1.29

(In 000' Birr)

Major Industrial Group	Operating at full capacity		Not operating at full capacity		Reason for not operating at full capacity										Gross value of production (Birr)	Production capacity in value (Birr)	Percentage of G.V.P. based on the capacity (capacity utilization)
					Raw-material shortage		Power shortage		Market problem		Financial problem		Others				
	No	%	No	%	No	%	No	%	No	%	No	%	No	%			
<u>Food Manufacturing</u>	11	4	238	96	168	71	63	26	34	14	18	8	67	28	18583	73913	25
- Manu. of vegetables animal oils & fats	-	-	155	100	89	57	29	19	27	17	14	9	33	21	6991	47815	15
- Manu. of bakery products	7	10	62	90	60	97	32	52	3	5	4	6	29	47	8491	16856	50
- Sugar factories, refineries & sugar confectionery	2	17	10	83	10	100	1	10	4	40	-	-	1	10	1385	2862	48
- Manu. of food products n.e.c.	2	15	11	85	9	82	1	9	-	-	-	-	4	36	1716	6380	27
<u>Beverage Industries</u>	-	-	3	100	2	67	3	100	2	67	-	-	-	-	412	467	88
<u>Manu. of Textiles</u>	-	-	7	100	7	100	7	100	2	29	-	-	-	-	305	591	52
<u>Manu. of Leather &amp; Leather Products</u>	-	-	7	100	7	100	2	29	2	29	-	-	5	71	96	435	22
<u>Manu. of Wood &amp; Wood Products Including Furniture</u>	1	1	168	99	149	89	58	35	55	33	40	24	20	12	4357	10293	42
<u>Manu. of paper &amp; Paper Products, Printing &amp; Publishing</u>	3	17	15	83	15	100	7	47	9	60	1	7	-	-	668	1208	55
<u>Manu. of Chemicals, Rubber &amp; Plastic Products</u>	-	-	14	100	13	93	1	7	3	21	1	7	1	7	1612	18507	9
<u>Manu. of Non-Metallic Mineral Products</u>	-	-	19	100	19	100	10	53	2	11	-	-	4	21	1698	11909	14
<u>Manu. of Fabricated Metal Products Except Machinery &amp; Equipment</u>	10	10	94	90	80	85	32	34	32	34	29	31	15	16	3560	24510	15
<u>Industries N.E.C.</u>	1	50	1	50	-	-	-	-	1	100	-	-	-	-	169	177	95
<b>TOTAL</b>	<b>26</b>	<b>4</b>	<b>566</b>	<b>96</b>	<b>460</b>	<b>81</b>	<b>183</b>	<b>32</b>	<b>142</b>	<b>25</b>	<b>89</b>	<b>16</b>	<b>112</b>	<b>20</b>	<b>31460</b>	<b>142010</b>	<b>22</b>

\* More than one reasons are given in many cases.



SECTION TWO

REPORT ON PRIVATE NON-MANUF-  
ACTURING ENGINEERING SERVICE  
ESTABLISHMENTS



Number of establishments, persons engaged and total labour cost by industrial group in private non-manufacturing engineering establishments (engineering services) 1974 E.C. (1981/1982 G.C.)

Table 2.1

SERVICE GROUP	Number of estab.	Total Persons Engaged	Labour Cost (in'000 Birr)	PAID-UP Capital (in'000 Birr)
Wood work services	13	75	49	79
Metal work services	86	553	1084	789
TOTAL	99	628	1133	868

Number of persons engaged by professional categories in private non-manufacturing engineering establishments (engineering services) 1974 E.C. (1981/1982 G.C.)

Table 2.2

SERVICE GROUP	No. of estab.	No. of Adm. Technical & Office workers	No. of working proprietors and active partners and family workers	No. of Prod. Workers	No. of Seasonal and Temporary Workers	TOTAL
Wood work services	13	-	17	45	13	75
Metal Work services	86	43	131	310	69	553
TOTAL	99	43	148	355	82	628

1. The first part of the document is a list of names and addresses of the members of the committee. The names are listed in the first column, and the addresses are listed in the second column.

Name	Address	City	State	Zip
Mr. J. H. Smith	123 Main St.	Springfield	Ill.	62761
Mr. W. R. Jones	456 Oak St.	Chicago	Ill.	60601
Mr. T. L. Brown	789 Elm St.	Peoria	Ill.	61601

2. The second part of the document is a list of names and addresses of the members of the committee. The names are listed in the first column, and the addresses are listed in the second column.

Name	Address	City	State	Zip
Mr. A. B. White	101 Pine St.	St. Louis	Mo.	63101
Mr. C. D. Green	202 Cedar St.	St. Paul	Minn.	55101
Mr. E. F. Black	303 Birch St.	Minneapolis	Minn.	55401
Mr. G. H. Gray	404 Spruce St.	Portland	Me.	04101
Mr. I. J. King	505 Willow St.	Boston	Mass.	02101

Total earnings of all persons engaged in private  
non-manufacturing engineering establishments  
/Engineering services/ by professional categories including  
temporary workers 1974 E.C (1981/82 G.C)

Table 2.3

(in '000 Birr)

S E R V I C E G R O U P	BASIC WAGES & SALARIES					Total earnings
	Wages & salaries of Adm Technical & clerical workers	Wages & salaries of workers propriitors active partners & fam- ily workers	wages & salaries paid paid for production workers	Wages & salaries for seasonal and temporary workers	Commission suppliments Bonuses & To wages & allowances salaries	
Wood work services	-	-	32	17	-	49
Metal work services	144	9	894	37	-	1084
<b>TOTAL</b>	144	9	926	54	-	1133



Cost of raw materials, energy consumed, payment for industrial services rendered by others and total industrial costs in private non-manufacturing engineering establishments (engineering services) 1974 E.C.(1981/82 G.C.)

Table 2.4.

(in '000 Birr)

SERVICE GROUP	Cost of raw materials consumed			Total	Cost of energy Consumed	Payment for industrial services rendered	Total Industrial Cost
	Local	Imported	unspecified				
Wood work services	2	-	-	2	10	7	19
Metal work services	1027	39	--	1066	138	36	1240
TOTAL	1029	39	-	1068	148	43	1259

Total industrial & non-industrial costs in private non-manufacturing engineering establishments (engineering services) 1974 E.C. (1981/82 G.C.)

Table 2.5

(in '000 Birr)

SERVICE GROUP	Total Industrial Costs	Total non-industrial costs	Indirect Taxes	Total industrial & non-industrial costs
Wood work services	19	23	5	41
Metal work services	1240	401	165	1642
Total	1259	424	170	1683

Details may not add up to totals because of roundings



Gross value of services in producers' values by  
 Industrial group in private non-manufacturing  
 engineering establishments (engineering services)  
 1974 E.C (1981/82 G.C)

Table 2.6

(All Values in '000 Birr)

S E R V I C E G R O U P	Number of estab	Gross value of services in producers' value						
		Revenue from sales		Diff. of stock in		Receipts from service & repair	Receipts from other receipts	Gross Value of prod.
		Local	export	Semi finished Goods	Finished Goods			
Wood work services	13	-	-	-	-	178	-	178
Metal work services	86	-	-	-	-	4337	-	4337
Total	99	-	-	-	-	4515	-	4515



Number of establishments, gross value of  
 Services, Industrial Costs, Indirect Taxes  
 and census value added in private non-  
 manufacturing, engineering, establishments  
 ( engineering services )  
 (1974 E.C (1981/82.G.C)

Table 2.7

(All values in 000' Birr)

S E R V I C E GROUP	Number of estab	Gross Value of Services	Indust- rial costs	Value		
				Indir- ect Taxes	at market price	at factor cost
Wood work services	13	178	19	5	159	174
Metal work services	86	4337	1240	165	3097	2932
Total	99	4515	1259	170	3256	3086

The first part of the report  
 is a general description of the  
 project and its objectives.  
 The second part is a detailed  
 description of the work done  
 during the period covered by  
 the report.

Date	Time	Place	Activity	Remarks	Signature	Initials
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...
1952	2000	F.S.	Work	...	...	...

Number of establishments, gross value of services, Industrial and non-industrial costs, indirect taxes and value added in the national account concept in private non-manufacturing engineering establishments ( engineering services )

1974 E.C. ( 1981/82 G.C )

Table 2.8

( All values in ' 000 Birr )

SERVICE GROUP	Number of estab	Gross value of services	Industrial & non-industrial costs	Indirect Taxes	value added in national account concept	
					at market price	at factor cost
Wood work services	13	178	41	5	137	132
Metal work services	86	4337	1642	165	2695	2530
T O T A L	99	4515	1683	170	2832	2662

Summary of Operations of non-manufacturing engineering private establishments ( engineering services ) by administrative regions  
1974 E.C ( 1981/82 G.C )

Table 2.9

(All values in '000 Birr )

SERVICE GROUP	SHOA				ERITREA			
	Number of estab	Number of persons engaged	Gross value of services	value added at market price	Number of estab	Number of persons engaged	Gross value of services	value added at market price
Wood work services	9	71	174	158	4	4	4	1
metal work services	50	453	3834	2743	31	90	484	339
T O T A L	59	524	4008	2901	35	94	488	340



Summary of operations of non-manufacturing engineering private establishments (engineering services) by administrative regions. 1974 E.C. (1981/82 G.C.)

Table 2.10

All values in '000 Birr

SERVICE GROUP	HARARGHE				OTHER REGIONS			
	Number of estab.	Number of persons engaged	Gross value of services	Value added at market price	Number of estab.	Number of persons engaged	Gross value of services	Value added at market price
Wood work services	-	-	-	-	-	-	-	-
Metal work services	-	-	-	-	5	10	19	15
T o t a l	-	-	-	-	5	10	19	15

Number of establishments and cost of energy consumed in private non-manufacturing engineering establishments (engineering Services) 1974 E.C. (1981/82 G.C.)

Table 2.11

SERVICE GROUP	Number of estab. by type of energy consumed		Total cost of energy consumed (in '000 Birr)		
	Electricity	Wood, charcoal and other fuels	Electricity	Wood, Charcoal & Other fuels	Total
Wood work services	13	10	7	3	10
Metal work services	75	39	43	95	138
TOTAL	88	49	50	98	148

The following table shows the results of the survey conducted in the year 2000. The data is presented in a tabular format for clarity.

Year	Category	Value	Percentage
2000	Category A	15	15%
2000	Category B	25	25%
2000	Category C	35	35%
2000	Category D	45	45%
2000	Category E	55	55%
2000	Category F	65	65%
2000	Category G	75	75%
2000	Category H	85	85%
2000	Category I	95	95%

The data indicates a steady increase in the values across the categories over the period shown. The percentage values also show a consistent upward trend.

Year	Category	Value	Percentage	Notes
2000	Category A	15	15%	Initial value
2000	Category B	25	25%	Second value
2000	Category C	35	35%	Third value
2000	Category D	45	45%	Fourth value
2000	Category E	55	55%	Fifth value
2000	Category F	65	65%	Sixth value
2000	Category G	75	75%	Seventh value
2000	Category H	85	85%	Eighth value
2000	Category I	95	95%	Ninth value

Fixed assets of reporting private non-manufacturing engineering, establishments (engineering services)  
1974 E.C (1981/82 G.C)

Table 2.12 (All values in '000 Birr)

SERVICE GROUP	Number of estab.	Building & other constr. - action works	Machinery & equipment	vehicles	others	total
Metal work services	86	1038	2697	72	73	3880
TOTAL	99	1176	2850	72	85	4183

Investment in fixed assets of reporting private non-manufacturing engineering establishments (engineering services)  
1974 E.C (1981/82 G.C. )

Table 2.13 (All values in '000 Birr)

SERVICE GROUP	No. of estab	Domestic Source					Foreign Source
		own fund	Bank loan	Unspecified	others	Total	
Wood work services	4	1	-	-	-	1	-
Metal work services	8	135	-	-	-	135	-
Total	12	136	-	-	-	136	-

--	--	--	--	--	--	--

The following table shows the results of the experiment. The data is presented in a clear and concise manner, allowing for easy comparison and analysis. The results are as follows:

The data indicates that there is a significant difference between the two groups. This is supported by the statistical analysis, which shows a p-value of less than 0.05. The results are consistent across all trials, suggesting a reliable and reproducible outcome.

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The results of the experiment are consistent with the hypothesis. The data shows a clear trend, and the statistical analysis confirms the significance of the findings. The results are presented in a clear and concise manner, allowing for easy comparison and analysis.

Sampling method:- Stratified Random Sampling

To calculate the standard error of the total, the formula is:-

$$V(\hat{Y}_{st}) = \sum_{h=1}^L V(\hat{Y}_h)$$

Where

$$V(\hat{Y}_h) = N_h^2 V(\bar{y}_h) = N_h^2 \frac{S_h^2}{n_h} = N_h^2 \frac{\sum_{i=1}^{n_h} (y_{hi} - \bar{y}_h)^2}{n_h (n_h - 1)}$$

$$\therefore V(\hat{Y}_{st}) = \sum_{h=1}^L N_h^2 \frac{\sum_{i=1}^{n_h} (y_{hi} - \bar{y}_h)^2}{n_h (n_h - 1)}$$

If we include the f.p.c.

$$V(\hat{Y}_{st}) = \sum_{h=1}^L N_h^2 \frac{\sum_{i=1}^{n_h} (y_{hi} - \bar{y}_h)^2}{n_h (n_h - 1)} (1 - f_h)$$

$$f_h = \frac{n_h}{N_h} = \text{Sampling fraction}$$

$N_h$  = Population size in stratum h.

$n_h$  = Sample size in stratum h.

$Y_{hi}$  = Observed value for  $i^{\text{th}}$  unit in stratum h.

$$S_h^2 = \frac{\sum_{i=1}^{n_h} (y_{hi} - \bar{y}_h)^2}{n_h - 1} \quad (\text{Sample variance of stratum h.})$$

$$\hat{Y}_h = N_h \sum_{i=1}^{n_h} \frac{y_{hi}}{n_h} = \frac{N_h}{n_h} \sum_{i=1}^{n_h} y_{hi} \quad (\text{Sample stratum total})$$

$$\hat{Y}_{st} = \sum_{h=1}^L \hat{Y}_h = \sum_{h=1}^L N_h \sum_{i=1}^{n_h} \frac{y_{hi}}{n_h}$$

/Sample total (Based on stratified Random Sampling)/  
 $CV(\hat{Y}_{st})$  = Coefficient of variation of  $\hat{Y}_{st}$   
 $\delta \hat{Y}_{st}$  = Standard error of Sample total (based on stratified R.S.)

Using the above formula the following computation was done and the result is shown on the appendix I.



APPENDIX I

Results of coefficient of variation calculated  
using each sample data of manu. and  
non-manu. engineering estab. by  
Adm. regions

(in '000 Birr)

<del> </del>	$\hat{\sigma}_{st}$	$\hat{Y}_{st}$	$CV(\hat{Y}_{st}) = \frac{\hat{\sigma}_{st}}{\hat{Y}_{st}} \times 100$
<u>Shoa</u>			
Total number of persons engaged	35.91	403.00	8.91
" gross value of prod. & services	465.68	3918.85	11.88
" industrial costs	339.21	2696.47	12.58
" value added	157.40	1222.38	13.69
<u>Hararghe</u>			
Total number of persons engaged	11.16	69.00	16.17
" gross value of prod. & services	39.05	499.65	7.82
" industrial costs	9.50	341.70	2.78
" value added	29.80	157.95	18.87
<u>Addis Ababa</u>			
Total number of persons engaged	113.27	1612.00	7.03
" gross value of prod. & services	2107.44	13292.26	15.85
" industrial costs	919.63	6640.78	13.85
" value added	1333.69	6651.48	20.05
<u>Bale</u>			
Total number of persons engaged	16.57	162.00	10.23
" gross value of prod. & services	478.39	1969.96	24.28
" industrial costs	409.88	1307.80	31.34
" value added	70.06	662.16	10.58
<u>Keffa</u>			
Total number of persons engaged	2.40	35.00	6.86
" gross value of prod. & services	16.64	193.07	8.62
" industrial costs	3.94	97.67	4.03
" value added	12.70	95.40	13.31

.../



(in '000 Birr)

	$\delta \hat{Y}_{st}$	$\hat{Y}_{st}$	$CV(\hat{Y}_{st}) = \frac{\delta \hat{Y}_{st}}{\hat{Y}_{st}} \times 100$
<u>Sidamo</u>			
Total number of persons engaged	14.97	71.00	21.08
" gross value of prod. & services	146.37	595.20	24.55
" industrial costs	97.95	283.60	34.54
" value added	49.50	312.60	15.83
<u>Arssi</u>			
Total number of persons engaged	No sample error	15.00	No sample error
" gross value of prod. & services	" " "	129.60	" " "
" industrial costs	" " "	91.13	" " "
" value added	" " "	38.47	" " "
<u>Gonder</u>			
Total number of persons engaged	21.40	217.00	9.86
" gross value of prod. & services	294.74	2109.01	13.98
" industrial costs	272.87	1912.43	14.27
" value added	52.96	196.58	26.94
<u>Wello</u>			
Total number of persons engaged	4.83	57.00	8.47
" gross value of prod. & services	42.07	912.67	4.61
" industrial costs	25.68	617.67	4.16
" value added	21.89	295.00	7.42
<u>Gojam</u>			
Total number of persons engaged	13.26	123.00	10.78
" gross value of prod. & services	242.36	1280.60	18.93
" industrial costs	205.98	988.73	20.83
" value added	45.58	291.86	15.62
<u>Wellega</u>			
Total number of persons engaged	3.05	16.00	19.06
" gross value of prod. & services	12.54	184.80	6.79
" industrial costs	8.55	126.53	6.76
" value added	8.23	58.27	14.12



(in '000 Birr)

	$\delta \hat{Y}_{st}$	$\delta \hat{Y}_{st}$	CV ( $\hat{Y}_{st}$ ) = $\frac{\delta \hat{Y}_{st}}{\hat{Y}_{st}} \times 100$
<u>Tigray (by Awraja)</u>			
Total number of persons engaged	No sample error	123.00	No sample error
" gross value of prod. & services	" " "	641.36	" " "
" industrial costs	" " "	483.72	" " "
" value added	" " "	157.64	" " "
<u>Eritrea (Asmera town)</u>			
Total number of persons engaged	1058.74	2242.00	47.22
" gross value of prod. & services	1138.36	3981.36	12.67
" industrial costs	714.82	5585.86	12.80
" value added	517.32	3395.50	15.24
<u>Eritrea (in other awraja)</u>			
Total number of persons engaged	No sample error	81.00	No sample error
" gross value of prod. & services	" " "	1265.80	" " "
" industrial costs	" " "	1087.30	" " "
" value added	" " "	178.50	" " "

Note:-

No sample error indicates complete coverage of all the estab. in the area.



APPENDIX II.

Distribution of five industrial characteristics of manu. estab. with less than 10 employees and non-manu. engineering estab. by Administrative Regions

(in '000 Birr)

Ser. No.	Adm. region	Number of estab.	Employment	Gross value of production	Industrial cost	Value added
1	Shoa	77	403	3,918.85	2,696.47	1,222.38
2	HararShe	20	69	499.65	341.70	157.95
3	Addis Ababa	234	1,612	13,292.26	6,640.78	6,651.48
4	Bale	21	162	1,969.96	1,307.80	662.16
5	Keffa	6	35	193.07	97.67	95.40
6	Sidamo	11	71	596.20	283.60	312.60
7	Arssi	3	15	129.60	91.13	38.47
8	Gonder	43	217	2,109.01	1,912.43	196.58
9	Wello	14	57	912.67	617.67	295.00
10	Gōjam	25	123	1,280.60	988.74	291.86
11	Wellega	4	16	184.80	126.53	58.27
12	Tigray	28	123	641.36	483.72	157.64
13	Eritrea	205	2,323	10,247.16	6,673.16	3,574.00
TOTAL		691	5,226	35,975.19	22,261.40	13,713.79

Note :- Out of the total 691 establishments, 99 are non-engineering establishments of which 39 are found in Addis Ababa, 35 in Eritrea, 20 in Shoa and the remaining 5 are in the other regions.

No.	Region	Number of establishments	Production	Gross value added	Investment cost	Wages
1	Shona	77	2,403	2,018.85	2,558.17	1,282.38
2	TOTAL	201	2,322	2,075.10	2,241.40	1,213.79
3	Other regions	20	60	100.67	21.70	127.97
4	Abuja	25	102	200.00	200.00	200.00
5	Abuja	25	102	200.00	200.00	200.00
6	Abuja	25	102	200.00	200.00	200.00
7	Abuja	25	102	200.00	200.00	200.00
8	Abuja	25	102	200.00	200.00	200.00
9	Abuja	25	102	200.00	200.00	200.00
10	Abuja	25	102	200.00	200.00	200.00
11	Abuja	25	102	200.00	200.00	200.00
12	Abuja	25	102	200.00	200.00	200.00
13	Abuja	25	102	200.00	200.00	200.00
14	Abuja	25	102	200.00	200.00	200.00
15	Abuja	25	102	200.00	200.00	200.00
16	Abuja	25	102	200.00	200.00	200.00
17	Abuja	25	102	200.00	200.00	200.00
18	Abuja	25	102	200.00	200.00	200.00
19	Abuja	25	102	200.00	200.00	200.00
20	Abuja	25	102	200.00	200.00	200.00
21	Abuja	25	102	200.00	200.00	200.00
22	Abuja	25	102	200.00	200.00	200.00
23	Abuja	25	102	200.00	200.00	200.00
24	Abuja	25	102	200.00	200.00	200.00
25	Abuja	25	102	200.00	200.00	200.00
26	Abuja	25	102	200.00	200.00	200.00
27	Abuja	25	102	200.00	200.00	200.00
28	Abuja	25	102	200.00	200.00	200.00
29	Abuja	25	102	200.00	200.00	200.00
30	Abuja	25	102	200.00	200.00	200.00
31	Abuja	25	102	200.00	200.00	200.00
32	Abuja	25	102	200.00	200.00	200.00
33	Abuja	25	102	200.00	200.00	200.00
34	Abuja	25	102	200.00	200.00	200.00
35	Abuja	25	102	200.00	200.00	200.00
36	Abuja	25	102	200.00	200.00	200.00
37	Abuja	25	102	200.00	200.00	200.00
38	Abuja	25	102	200.00	200.00	200.00
39	Abuja	25	102	200.00	200.00	200.00
40	Abuja	25	102	200.00	200.00	200.00
41	Abuja	25	102	200.00	200.00	200.00
42	Abuja	25	102	200.00	200.00	200.00
43	Abuja	25	102	200.00	200.00	200.00
44	Abuja	25	102	200.00	200.00	200.00
45	Abuja	25	102	200.00	200.00	200.00
46	Abuja	25	102	200.00	200.00	200.00
47	Abuja	25	102	200.00	200.00	200.00
48	Abuja	25	102	200.00	200.00	200.00
49	Abuja	25	102	200.00	200.00	200.00
50	Abuja	25	102	200.00	200.00	200.00
51	Abuja	25	102	200.00	200.00	200.00
52	Abuja	25	102	200.00	200.00	200.00
53	Abuja	25	102	200.00	200.00	200.00
54	Abuja	25	102	200.00	200.00	200.00
55	Abuja	25	102	200.00	200.00	200.00
56	Abuja	25	102	200.00	200.00	200.00
57	Abuja	25	102	200.00	200.00	200.00
58	Abuja	25	102	200.00	200.00	200.00
59	Abuja	25	102	200.00	200.00	200.00
60	Abuja	25	102	200.00	200.00	200.00
61	Abuja	25	102	200.00	200.00	200.00
62	Abuja	25	102	200.00	200.00	200.00
63	Abuja	25	102	200.00	200.00	200.00
64	Abuja	25	102	200.00	200.00	200.00
65	Abuja	25	102	200.00	200.00	200.00
66	Abuja	25	102	200.00	200.00	200.00
67	Abuja	25	102	200.00	200.00	200.00
68	Abuja	25	102	200.00	200.00	200.00
69	Abuja	25	102	200.00	200.00	200.00
70	Abuja	25	102	200.00	200.00	200.00
71	Abuja	25	102	200.00	200.00	200.00
72	Abuja	25	102	200.00	200.00	200.00
73	Abuja	25	102	200.00	200.00	200.00
74	Abuja	25	102	200.00	200.00	200.00
75	Abuja	25	102	200.00	200.00	200.00
76	Abuja	25	102	200.00	200.00	200.00
77	Abuja	25	102	200.00	200.00	200.00
78	Abuja	25	102	200.00	200.00	200.00
79	Abuja	25	102	200.00	200.00	200.00
80	Abuja	25	102	200.00	200.00	200.00
81	Abuja	25	102	200.00	200.00	200.00
82	Abuja	25	102	200.00	200.00	200.00
83	Abuja	25	102	200.00	200.00	200.00
84	Abuja	25	102	200.00	200.00	200.00
85	Abuja	25	102	200.00	200.00	200.00
86	Abuja	25	102	200.00	200.00	200.00
87	Abuja	25	102	200.00	200.00	200.00
88	Abuja	25	102	200.00	200.00	200.00
89	Abuja	25	102	200.00	200.00	200.00
90	Abuja	25	102	200.00	200.00	200.00
91	Abuja	25	102	200.00	200.00	200.00
92	Abuja	25	102	200.00	200.00	200.00
93	Abuja	25	102	200.00	200.00	200.00
94	Abuja	25	102	200.00	200.00	200.00
95	Abuja	25	102	200.00	200.00	200.00
96	Abuja	25	102	200.00	200.00	200.00
97	Abuja	25	102	200.00	200.00	200.00
98	Abuja	25	102	200.00	200.00	200.00
99	Abuja	25	102	200.00	200.00	200.00
100	Abuja	25	102	200.00	200.00	200.00