



THE UNITED REPUBLIC OF TANZANIA

CENSUS OF INDUSTRIAL PRODUCTION 2013 TANZANIA MAINLAND

SUMMARY REPORT



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THE UNITED REPUBLIC OF TANZANIA

CENSUS OF INDUSTRIAL PRODUCTION 2013

TANZANIA MAINLAND

SUMMARY REPORT

Additional information on the 2013 Census of Industrial Production
Analytical Report can be obtained from:

National Bureau of Statistics,
18 Kivukoni Road,
P.O. Box 796,
11992 Dar es Salaam - Tanzania.
Tel: +255 22 2122722/3 | Fax: +255 22 2130852
Email: dg@nbs.go.tz | Website: www.nbs.go.tz

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of Statistics**

September, 2016

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The Government of the United Republic of Tanzania through the National Bureau of Statistics (NBS) in collaboration with the Ministry of Industry, Trade and Investment (MITI), and the Confederation of Tanzania Industries (CTI) conducted the Census of Industrial Production, 2013 (CIP, 2013). Historically, the CIP 2013 is the fourth comprehensive industrial census to be conducted in Tanzania Mainland since Independence in 1961. The first, second and the third censuses were undertaken in 1963, 1978 and 1989 respectively.

Technical assistance for the 2013 Census of Industrial Production was provided by the United Nations Industrial Development Organization (UNIDO) while funding was provided by the Government of Tanzania and Development Partners through the Tanzania Statistical Master Plan (TSMP) basket funding arrangements.

The broad objective of the census was to generate relevant and updated industrial information that can be used to assess the contribution of industrial sector to the economy. It also aimed at providing benchmark data for other subsequent surveys and analysis for planning, evidence based policy formulation and decision making purposes.

The Census of Industrial Production, 2013 covered all industrial establishments in Tanzania Mainland with fixed premises and in accordance with the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4 to ensure international comparability and coherence. It covered all establishments falling under the following four industrial sub-sectors: Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply and Water collection, treatment and supply. However, the Manufacturing sub-sector made the largest contribution to almost all statistical variables and indicators. It was therefore the leading sub-sector which controlled direction of the industrial sector as a whole.

Manufacturing includes physical or chemical transformation of materials, substances, or components into new products. The materials, substances, or components transformed are raw materials that are products of agriculture, forestry, fishing, mining or quarrying as well as products of other manufacturing activities. Substantial alteration, renovation or reconstruction of goods is generally considered to be manufacturing.

The purpose of this report is to present in summary, key findings pertaining to the census so as to provide quick reference of what is contained in the main census reports. The report summarizes major findings on the characteristics of establishments, employment and employment compensation, gross output, intermediate consumption and value added. The results are categorized by industrial activity, employment size, geographical location and ownership.

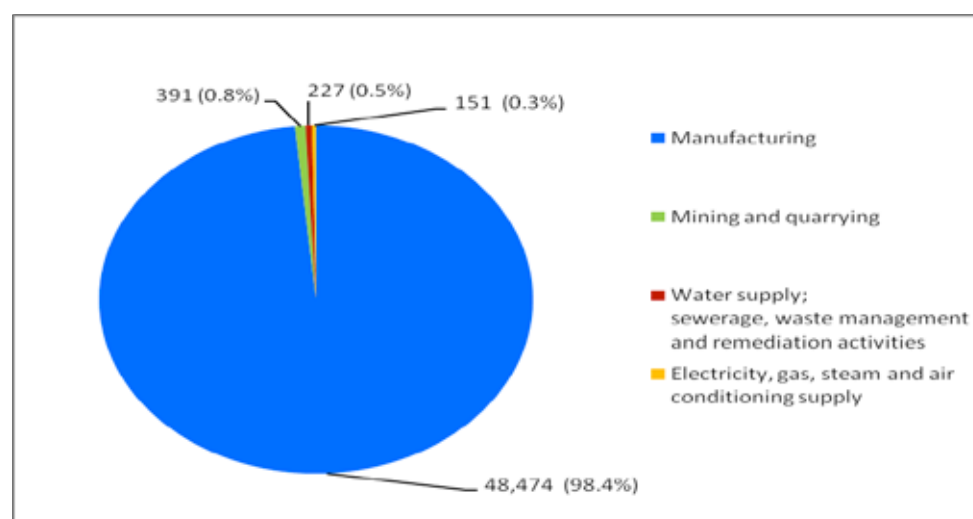
2.1 Number of Industrial Establishments by Sub-Sector

In order to address Government Policy on Small and Medium Enterprises (SMEs), all industrial establishments were divided into the following two major size-groups:

1. Large establishments which engaged ten or more (10+) persons. These were 1,322 (2.7 percent) of the total number of 49,243 industrial establishments. This group was sub-divided further into five sub- groups; (10-19) persons, (20-49) persons, (50-99) persons, (100-499) persons and (500+) persons;
2. Small establishments which engaged one to nine (1-9) persons. These were 47,921 (97.3 percent) of the total number 49,243 of industrial establishments. This group was sub-divided into two sub-groups; (1-4) persons and (5-9) persons.

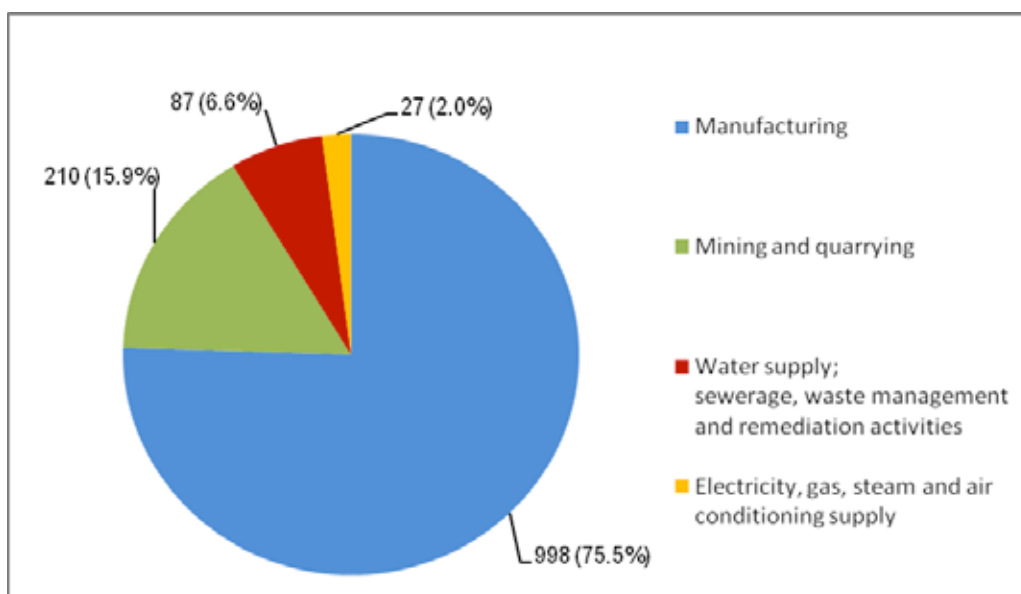
The results show that, from the total of 49,243 industrial establishments (large and small) covered in the 2013 Census of Industrial Production, Manufacturing sub-sector had the largest number of establishments 48,474 (98.4 percent), followed by Mining and quarrying 391 (0.8 percent); Water supply, sewerage, waste management and remediation activities 227 (0.5 percent); and finally, Electricity, gas, steam and air conditioning supply with 151 establishments or 0.3 percent of the total number of establishments (Figure 1).

Figure 1: Number of Establishments (Total) by Sub-Sector, Tanzania Mainland, CIP 2013



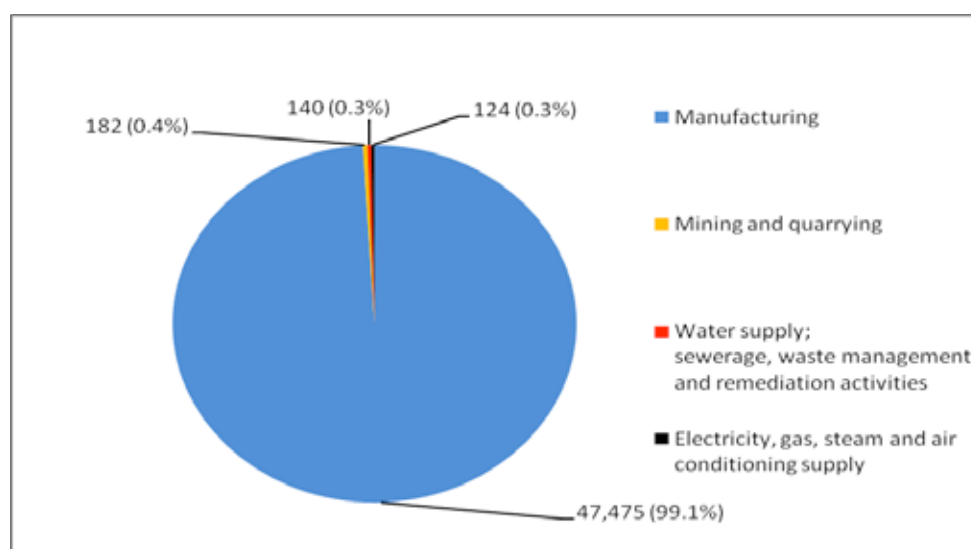
The results show that, from the total 1,322 large establishments, manufacturing had the largest number of establishments 998 (75.5 percent) followed by mining and quarrying 210 (15.9 percent), water supply, sewerage, waste management and remediation 87 (6.6 percent) and finally electricity, gas, steam and air conditioning with only 27 establishments or 2.0 percent of the total large establishments (Figure 2).

Figure 2: Number of Establishments Engaging Ten or More Persons by Sub-Sector, Tanzania Mainland, CIP 2013



While for small establishments engaging one to nine persons, the results show that, out of the total 47,921 small establishments, manufacturing had the largest number 47,475 (99.1 percent) followed by mining and quarrying 182 (0.4 percent), water supply; sewerage, waste management and remediation 140 (0.3 percent) and electricity, gas, steam and air conditioning supply with 124 establishments or 0.3 percent of the total (Figure 3).

Figure 3: Number of Establishments Engaging One to Nine Persons by Sub-Sector, Tanzania Mainland, CIP 2013



2.2 Number of Establishments by Industrial Activity

Number of establishments by activity differed from one activity to another. The leading four activities with a total contribution of 52.8 percent to the total number of establishments, were; manufacture of food products 19,696 (40.0 percent); manufacture of wearing apparel 13,392 (27.2 percent); manufacture of furniture 6,823 (13.9 percent); and manufacture of fabricated metal products except machinery and equipment 3,805 (7.7 percent).

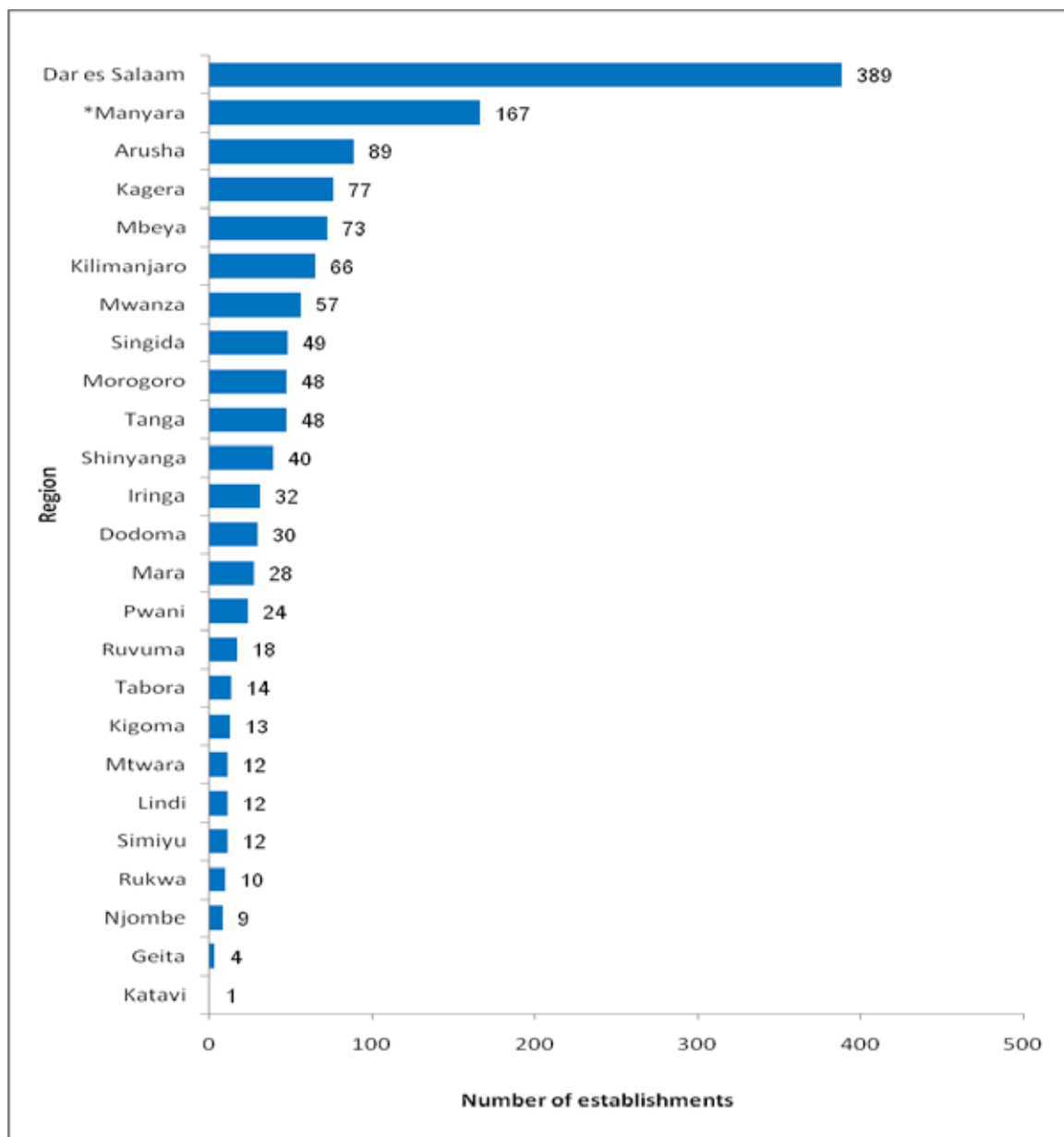
Table 1: Number of Establishments by Industrial Activity, Tanzania Mainland, CIP 2013

Industrial Activity	Number of Establishments	Percent
Manufacture of food products	19,697	40.0
Manufacture of wearing apparel	13,292	27.0
Manufacture of furniture	6,823	13.9
Manufacture of fabricated metal products, except machinery and equipment	3,805	7.7
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1,770	3.6
Manufacture of other non-metallic mineral products	1,103	2.2
Manufacture of textiles	708	1.4
Other mining and quarrying	347	0.7
Manufacture of electrical equipment	253	0.5
Water collection, treatment and supply	222	0.4
Manufacture of leather and related products	177	0.4
Other manufacturing	175	0.4
Printing and reproduction of recorded media	168	0.3
Electricity, gas, steam and air conditioning supply	151	0.3
Manufacture of machinery and equipment n.e.c.	99	0.2
Manufacture of chemicals and chemical products	88	0.2
Manufacture of beverages	76	0.2
Manufacture of rubber and plastics products	65	0.1
Manufacture of other transport equipment	47	0.1
Mining of metal ores	44	0.1
Manufacture of motor vehicles, trailers and semi-trailers	37	0.1
Repair and installation of machinery and equipment	28	0.1
Manufacture of basic metals	19	0.0
Manufacture of paper and paper products	18	0.0
Manufacture of tobacco products	14	0.0
Manufacture of basic pharmaceutical products and pharmaceutical preparations	7	0.0
Waste collection, treatment and disposal activities; materials recovery	5	0.0
Manufacture of coke and refined petroleum products	3	0.0
Manufacture of computer, electronic and optical products	2	0.0
Mining of coal and lignite	1	0.0
Total	49,243	100.0

2.3 Number of Establishments by Region

Considering number of establishment by region for large establishments, the results show that, from the total 1,322 establishments, the largest number of establishments was recorded in Dar es Salaam region with 389 (29.4 percent); followed by Manyara region, 167 (12.6 percent); Arusha region 89 (6.7 percent) and Kagera region, 77 (5.8 percent). However, for Manyara region, 149 (89.2 percent) establishments were engaged in mining and quarrying sub-sector particularly, in tanzanite mining activity.

Figure 4: Number of Large Establishments Engaging Ten or More Persons by Region, Tanzania Mainland, CIP 2013



* Most of establishments were involved in Tanzanite mining activities

With regards to manufacturing sub-sector, the results show that, from the total 998 large manufacturing establishments, the largest number was in Dar es Salaam region with 376 (37.7 percent); followed by Arusha region, 87 (8.7 percent); Kagera region 74 (7.4 percent) and Mbeya region, 48 (4.8 percent). The remaining 21 regions accounted for 413 establishments or 41.4 percent of the large manufacturing establishments.

Figure 5: Number of Manufacturing Establishments by Region, Tanzania Mainland, CIP 2013

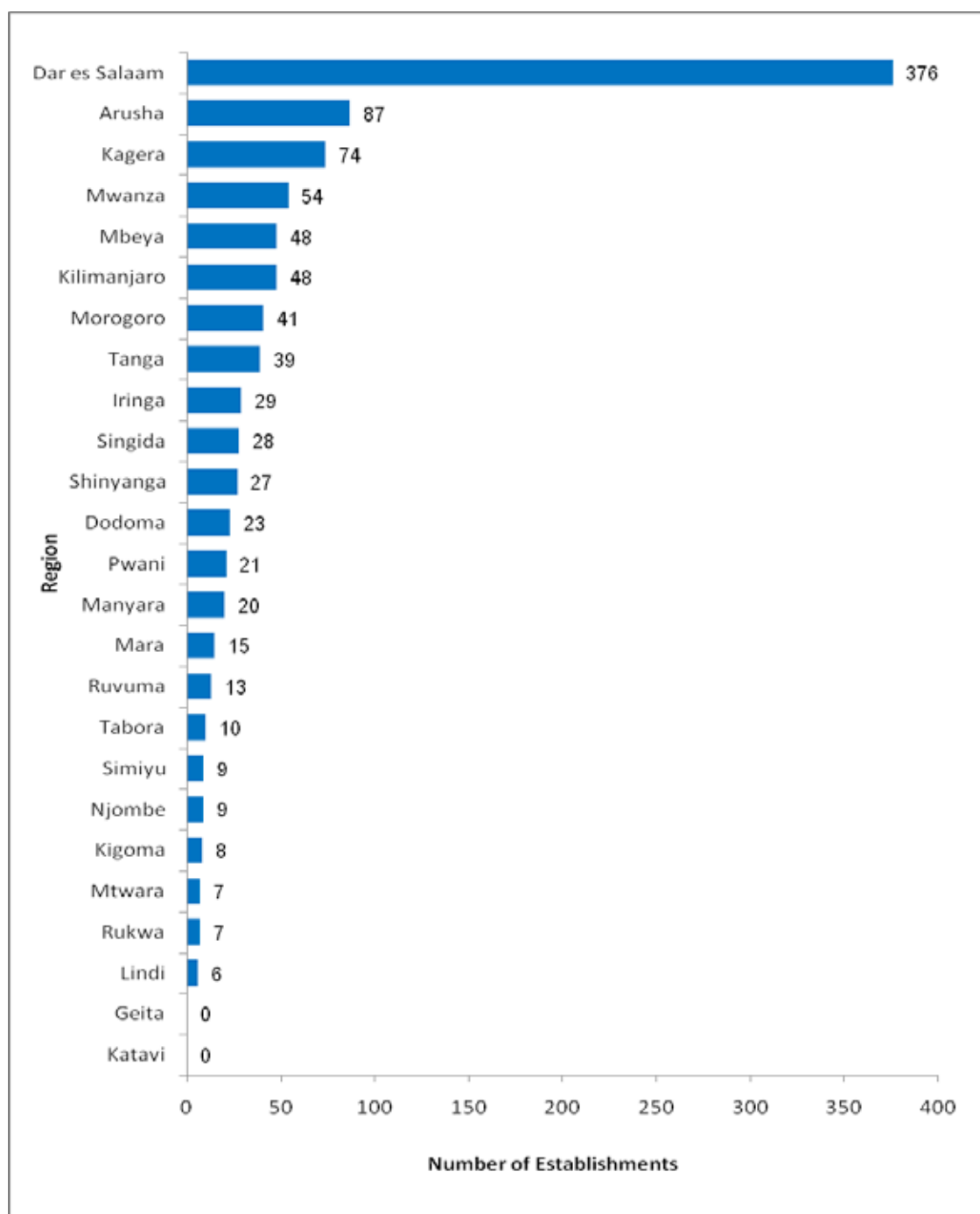


Table 2: Number of Manufacturing Establishments by Region and Employment Size Group, CIP 2013

Region	Employment Size Group							Total
	1-4	5-9	10-19	20-49	50-99	100-499	500+	
Dodoma	1,588	199	11	8	2	1	-	1,809
Arusha	1,822	229	30	15	20	17	5	2,138
Kilimanjaro	1,483	188	22	11	9	5	1	1,719
Tanga	1,498	158	13	6	6	11	3	1,695
Morogoro	2,599	397	15	15	1	3	7	3,037
Pwani	1,204	231	8	6	1	4	1	1,455
Dar es Salaam	5,763	1,233	109	114	65	79	10	7,373
Lindi	664	150	6	-	-	-	-	820
Mtwara	866	110	-	2	2	2	-	982
Ruvuma	3,257	197	9	4	-	-	-	3,467
Iringa	2,245	206	9	7	4	5	3	2,479
Mbeya	2,527	245	23	18	2	5	-	2,820
Singida	1,383	214	21	5	1	-	-	1,624
Tabora	852	83	7	2	-	1	-	945
Rukwa	866	61	2	4	-	-	-	933
Kigoma	836	102	7	1	-	-	-	946
Shinyanga	923	225	18	9	-	-	-	1,175
Kagera	2,042	269	35	30	1	6	2	2,385
Mwanza	1,074	279	22	13	8	7	4	1,407
Mara	2,971	517	5	5	2	3	-	3,503
Manyara	2,063	154	12	9	-	-	-	2,238
Njombe	1,536	116	-	4	2	1	1	1,660
Katavi	199	20	-	-	-	-	-	219
Simiyu	637	109	7	1	-	-	-	754
Geita	762	129	-	-	-	-	-	891
Total	41,660	5,821	391	289	126	150	37	48,474

2.4 Number of Establishments by Employment Size Group

Employment size group of (1-4) persons was the largest and had 41,919 establishments equivalent to 85.1 percent of the total number of establishments, followed by the (5-9) group with 6,002 (12.2 percent) establishments. This shows that, the small (1-9) employment size group was leading with 97.3 percent of the total number of establishments.

Figure 6: Number of Establishments by Employment Size Group, Tanzania Mainland, CIP 2013

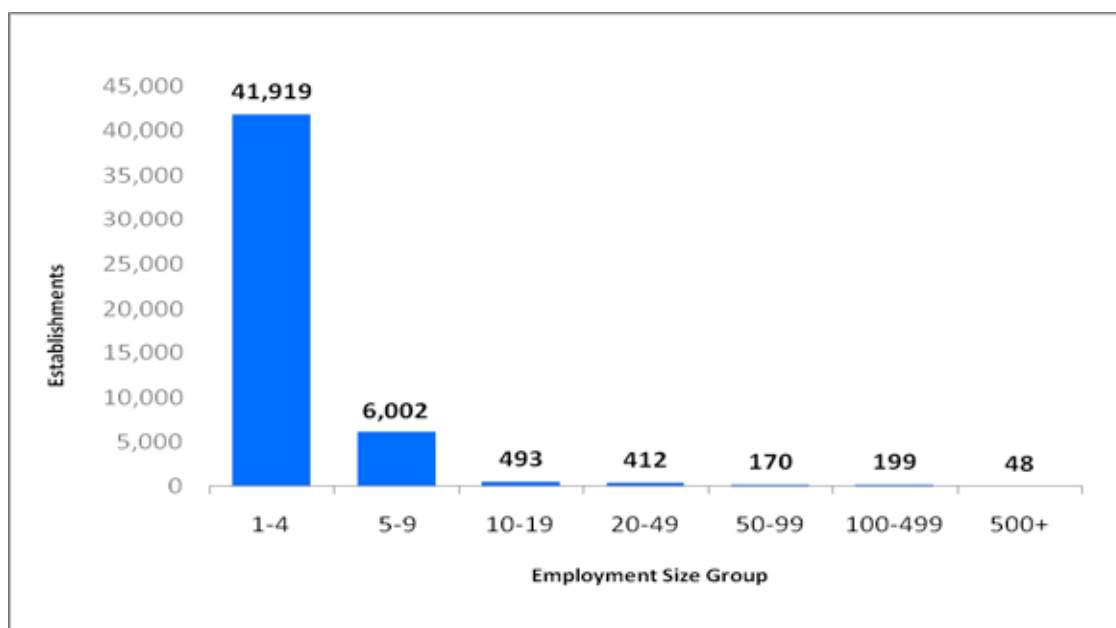


Table 3: Number of Manufacturing Establishments by Industrial Activity and Employment Size Group, Tanzania Mainland, CIP 2013

Industrial Activity	Establishments Engaging Ten or More Persons		Establishments Engaging One to Nine Persons		Total	
	Number	%	Number	%	Number	%
Manufacture of food products	382	38.3	19,315	40.7	19,697	40.6
Manufacture of beverages	47	4.8	29	0.1	76	0.2
Manufacture of tobacco products	4	0.4	10	0.0	14	0.0
Manufacture of textiles	32	3.2	676	1.4	708	1.5
Manufacture of wearing apparel	13	1.3	13,280	28.0	13,293	27.4
Manufacture of leather and related products	18	1.7	159	0.3	177	0.4
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	68	6.8	1,702	3.6	1,770	3.7
Manufacture of paper and paper products	12	1.2	6	0.0	18	0.0
Printing and reproduction of recorded media	48	4.8	120	0.3	168	0.3
Manufacture of coal and refined petroleum products	3	0.3	0	0.0	3	0.0
Manufacture of chemicals and chemical products	40	3.9	48	0.1	88	0.2
Manufacture of basic pharmaceutical products and pharmaceutical preparations	5	0.5	2	0.0	7	0.0
Manufacture of rubber and plastics products	42	4.3	22	0.0	64	0.1
Manufacture of other non-metallic mineral products	89	8.8	1,014	2.1	1,103	2.3

Table 3: Number of Manufacturing Establishments by Industrial Activity and Employment Size Group, Tanzania Mainland, CIP 2013 (continued)

Industrial Activity	Establishments Engaging Ten or More Persons		Establishments Engaging One to Nine Persons		Total	
	Number	%	Number	%	Number	%
Manufacture of basic metals	14	1.4	5	0.0	19	0.0
Manufacture of fabricated metal products, except machinery and equipment	54	5.4	3,751	7.9	3,805	7.8
Manufacture of computer, electronic and optical products	1	0.1	1	0.0	2	0.0
Manufacture of electrical equipment	20	2.0	233	0.5	253	0.5
Manufacture of machinery and equipment n.e.c.	14	1.5	85	0.2	99	0.2
Manufacture of motor vehicles, trailers and semi-trailers	13	1.4	24	0.0	37	0.1
Manufacture of other transport equipment	2	0.2	45	0.1	47	0.1
Manufacture of furniture	60	6.0	6,763	14.2	6,823	14.1
Other manufacturing	13	1.3	162	0.3	175	0.4
Repair and installation of machinery and equipment	4	0.4	24	0.1	28	0.1
Total	998	100.0	47,476	100.0	48,474	100.0

2.5 Number of Establishments by Type of Ownership

From a total of 49,243 establishments, 48,976 (99.4 percent) were privately owned, 238 (0.5 percent) were publicly owned and 30 (0.1 percent) had mixed ownership (both public and private). The results also show that, among the large establishments which engage ten or more workers, 86.5 percent were privately owned while 11.4 percent were publicly owned and only two (2.0) percent were both publicly and privately owned (mixed ownership). Almost, all small establishments (99.8 percent) were privately owned.

Table 4: Number of Industrial Establishments by Type of Ownership and Employment Size, Tanzania Mainland, CIP 2013

Type of Ownership	Establishments Engaging Ten or More Persons		Establishments Engaging One to Nine Persons		Total	
	Number	Percentage	Number	Percentage	Number	Percentage
Public	151	11.4	87	0.2	238	0.5
Private	1,144	86.5	47,831	99.8	48,975	99.4
Mixed	27	2.0	3	0.0	30	0.1
Total	1,322	100.0	47,921	100.0	49,243	100.0

2.6 Number of Establishments by Type of Legal Organization

On types of legal organization, the results show that, from a total of 49,243 establishments, sole proprietorship were 44,748 (90.9 percent) followed by partnership 3,388 (6.9 percent) and private limited company with 416 (0.8 percent) establishments. Other legal organizations had 691 or 1.4 percent of the total number of industrial establishments.

Large establishments engaging ten or more workers, had a total of 1,322 establishments out of which; 374 (28.3 percent) were private company limited followed by sole proprietorship, 372 (28.1 percent) and partnership with 353 (26.7 percent) establishments. Other legal organizations had 223 (16.9 percent) of the total large establishments.

Small establishments engaging one to nine workers had a total of 47,921 establishments out of which; 44,374 (92.6 percent) were sole proprietorship followed by partnership 3,035 (6.3 percent) and cooperative with 315 (0.7 percent) establishments. Other legal organizations had 198 (0.4 percent) of the total small establishments.

Table 5: Number of Establishments by Type of Legal Organization, Tanzania Mainland, CIP 2013

Type of Legal Organization	Establishments Engaging Ten or More Persons		Establishments Engaging One to Nine Persons		Total	
	Number	Percentage	Number	Percentage	Number	Percentage
Sole proprietorship	372	28.1	44,376	92.6	44,748	90.9
Partnership	353	26.7	3,035	6.3	3,388	6.9
Public	87	6.6	60	0.1	147	0.3
Parastatal	36	2.7	3	0.0	39	0.1
Cooperative	48	3.6	315	0.7	363	0.7
Private company	42	3.2	5	0.0	47	0.1
Private company Limited	374	28.3	42	0.1	416	0.8
Other	10	0.8	85	0.2	95	0.2
Total	1,322	100.0	47,921	100.0	49,243	100.0

Chapter 3

Employment Characteristics

3.1 Number of Persons Engaged by Industrial Sub-Sector

The results show that, total number of persons engaged by the four industrial sub-sectors was 264,223 out of which, manufacturing engaged 231,099 (87.5 percent) persons followed by mining and quarrying with 19,906 (7.5 percent) persons. The remaining two sub-sectors (electricity and water) had only 5.0 percent of the total number of persons.

Moreover, large establishments with ten or more workers engaged more persons 138,887 (52.5 percent) than small establishments with one to nine (1-9) persons which engaged 125,336 (47.5 percent) persons. The results further reveal that manufacturing sub-sector maintained its dominance in employment for both large and small establishments with 77.6 percent and 98.4 percent respectively.

Table 6: Number of Persons Engaged by Industrial Sub-Sector and Employment Size, Tanzania Mainland, CIP 2013

Sub-Sector	Establishments Engaging Ten or More Persons		Establishments Engaging One to Nine Persons		Total	
	Number	%	Number	%	Number	%
Mining and Quarrying	18,917	13.6	989	0.8	19,906	7.5
Manufacturing	107,733	77.6	123,366	98.4	231,099	87.5
Electricity, gas, steam and air conditioning supply	7,915	5.7	335	0.3	8,250	3.1
Water supply, sewerage, waste management and remediation activities	4,322	3.1	646	0.5	4,968	1.9
Total	138,887	100.0	125,336	100.0	264,223	100.0

3.2 Number of Persons Engaged by Industrial Sub-Sector and Sex

The results show that for large establishments engaging ten or more persons, out of the persons engaged by mining and quarrying sub-sector 17,702 (93.6 percent) were males and 1,215 (6.4 percent) females; manufacturing sub-sector 75,791 (70.4 percent) were males and 31,942 (29.6 percent) females; electricity, gas, steam and air conditioning supply 6,690 (84.5 percent) were males and 1,225 (15.5 percent) females; water supply, sewerage, waste, management and remediation sub-sector 3,348 (77.5 percent) were males and 974 (22.5 percent) females. In total, large establishments engaged more males 103,531 (74.5 percent) than females 35,356 (25.5 percent) of the workers.

For the case of small establishments with one to nine persons, the results show that, of the persons engaged by mining and quarrying sub-sector 759 (76.7 percent) were males and 230 (23.2 percent) females; manufacturing 98,001 (79.4 percent) were males and 25,365 (20.6 percent) females; electricity, gas, steam and air conditioning supply 310 (92.5 percent) were males and 25 (7.5 percent) females; and water supply, sewerage, waste, management and remediation activities with 435 (67.5

percent) percent males and 209 (32.5 percent) percent females. Overall, small establishments engaged more males 99,507 (79.4 percent) than females 25,829 (20.6 percent).

In total, the industrial sector engaged a total of 264,223 persons out of which; 203,038 (76.8 percent) were males and 61,185 (23.2 percent) were females.

Table 7: Number of Persons Engaged by Industrial Sub-Sector, Sex and Employment Size, Tanzania Mainland, CIP 2013

Sub-Sector	Establishments Engaging Ten or More Persons			Establishments Engaging One to Nine Persons		
	Male	Female	Total	Male	Female	Total
Mining and quarrying	17,702	1,215	18,917	759	230	989
Manufacturing	75,791	31,942	107,733	98,001	25,365	123,366
Electricity, gas, steam and air conditioning supply	6,690	1,225	7,915	310	25	335
Water supply; sewerage, waste management and remediation activities	3,348	974	4,322	436	209	646
Total	103,531	35,356	138,887	99,507	25,829	125,336

3.3 Number of Persons Engaged by Industrial Activity

Number of persons engaged differed from one activity to another. From a total of 264,223 persons engaged in the industrial sector, the leading three activities which contributed 52.8 percent of the total number of persons were; manufacture of food products 85,330 (32.3 percent); manufacture of wearing apparel 30,539 (11.6 percent) and manufacture of furniture 23,740 (9.0 percent). The remaining activities engaged a total of 124,616 persons or 47.2 percent of the total.

Table 8: Number of Persons Engaged by Industrial Activity, Tanzania mainland, CIP 2013

Industrial Activity	Total Persons Engaged	Percent
Manufacture of food products	85,330	32.3
Manufacture of wearing apparel	30,539	11.6
Manufacture of furniture	23,740	9.0
Manufacture of textiles	17,714	6.7
Manufacture of fabricated metal products, except machinery and equipment	14,889	5.6
Other mining and quarrying	9,988	3.8
Mining of metal ores	9,843	3.7
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	9,418	3.6
Manufacture of other non-metallic mineral products	9,384	3.6
Electricity, gas, steam and air conditioning supply	8,250	3.1
Manufacture of beverages	7,004	2.7
Manufacture of chemicals and chemical products	6,645	2.5
Manufacture of tobacco products	5,110	1.9

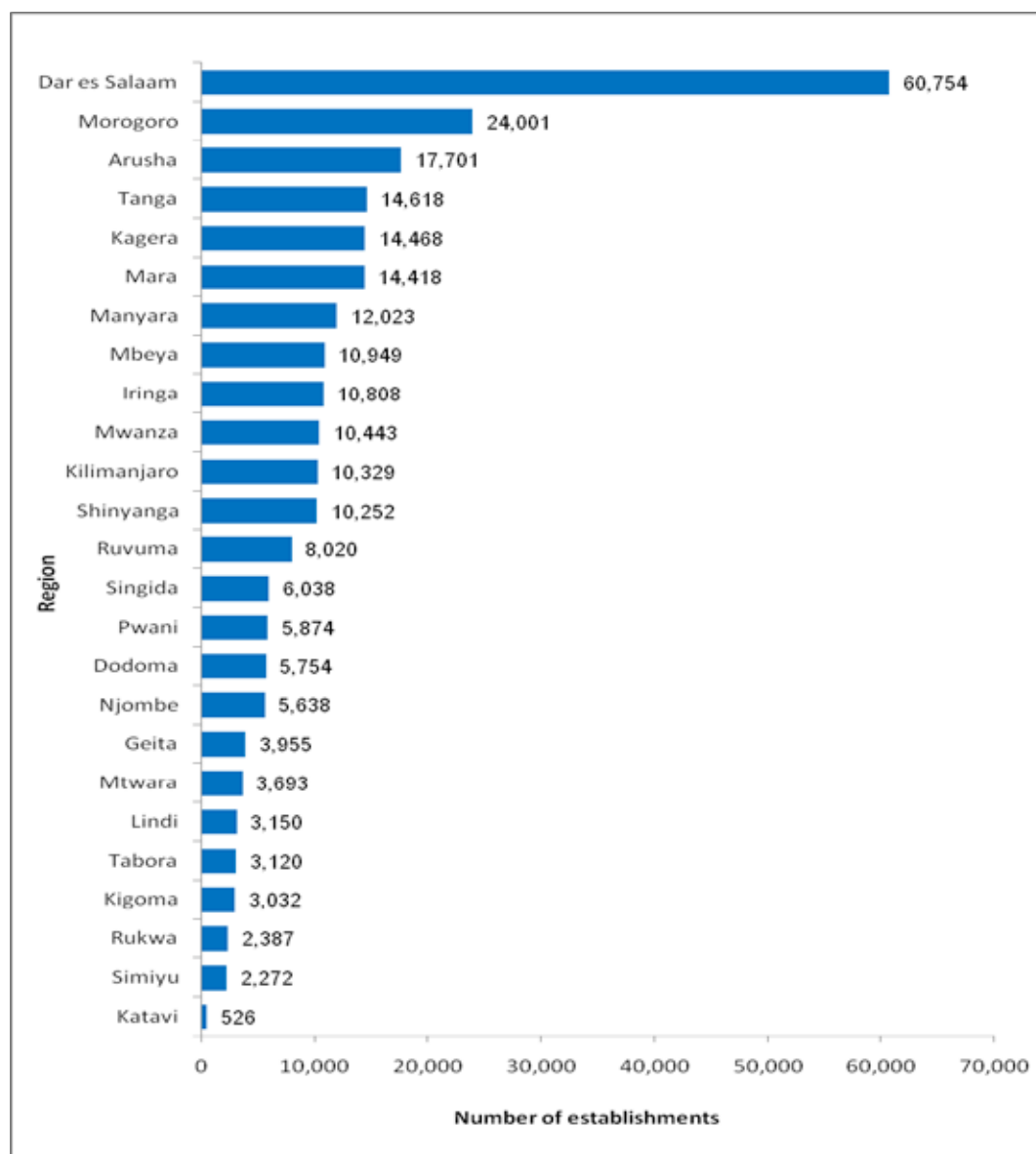
Table 8: Number of Persons Engaged by Industrial Activity, Tanzania mainland, CIP 2013 (continued)

Industrial Activity	Total Persons Engaged	Percent
Water collection, treatment and supply	4,725	1.8
Manufacture of rubber and plastics products	4,342	1.6
Printing and reproduction of recorded media	3,339	1.3
Manufacture of paper and paper products	2,253	0.9
Manufacture of basic metals	2,194	0.8
Manufacture of electrical equipment	1,742	0.7
Manufacture of leather and related products	1,725	0.7
Other manufacturing	1,709	0.6
Manufacture of motor vehicles, trailers and semi-trailers	1,391	0.5
Manufacture of basic pharmaceutical products and pharmaceutical preparations	790	0.3
Manufacture of machinery and equipment n.e.c.	726	0.3
Repair and installation of machinery and equipment	417	0.2
Manufacture of other transport equipment	330	0.1
Manufacture of coke and refined petroleum products	243	0.1
Waste collection, treatment and disposal activities; materials recovery	242	0.1
Manufacture of computer, electronic and optical products	124	0.0
Mining of coal and lignite	77	0.0
Total	264,223	100.0

3.4 Total Number of Persons Engaged by Region

Dar es Salaam region engaged the largest number of persons 60,754 (23.0 percent) followed by Morogoro 24,001 (9.1 percent), Arusha 17,701 (6.7 percent), Tanga 14,618 (5.5 percent), Kagera 14,468 (5.5 percent), Mara 14,418 (5.5 percent) and Manyara 12,023 (4.5 percent) whereas Katavi region recorded the smallest number of persons 526 (0.2 percent).

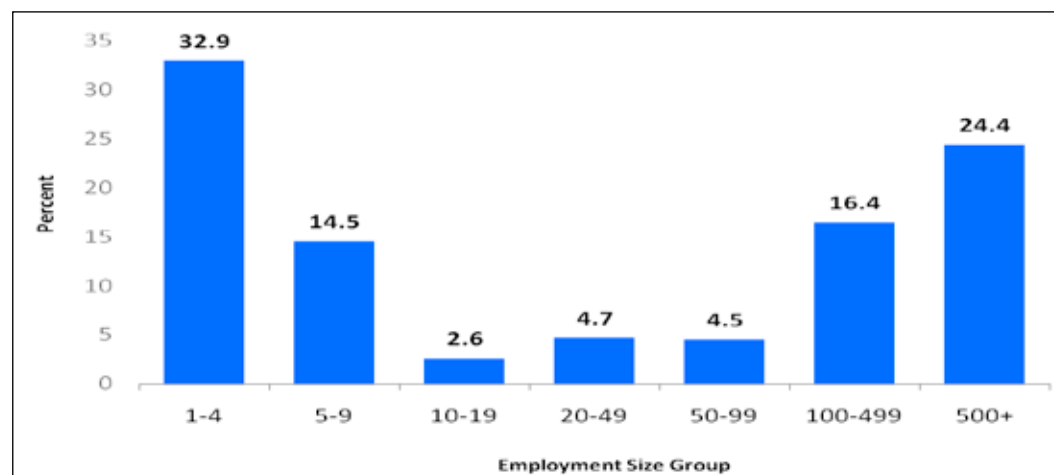
Figure 7: Number of Persons engaged by Region, Tanzania Mainland, CIP 2013



3.5 Number of Persons Engaged by Employment Size Group

The (1-4) size group engaged the largest number of persons with 86,960 (32.9 percent) followed by those engaging 500+ with 64,384 (24.4 percent) and (100-499) 43,363 (16.4 percent). Establishments which engaged (10-19) workers had the least number of persons 6,767 (2.6 percent).

Figure 8: Percentage of Persons Engaged by Employment Size Group, Tanzania Mainland, CIP 2013



4.1 Compensation of Employees by Industrial Sub-Sector

Compensation of employees refers to aggregate payments to workers both in cash and/or in kind. It includes gross wages and salaries, overtime payments, travel expenses, employee's contribution to social security schemes and additional payments in return for contributing to production during the accounting period.

The results show that, total compensation to employees in 2013 amounted to Tanzanian Shillings (TZS) 1,366,744 million. The largest compensation was made in manufacturing sub-sector with TZS 791,311 million or 57.9 percent followed by mining and quarrying with TZS 364,299 million or 26.7 percent and electricity, gas, steam and air conditioning supply with TZS 181,050 million or 13.2 percent of the total labour cost. Water supply, sewerage, waste management and remediation activities sub-sector had the least compensation of TZS 30,084 million, equivalent to only 2.2 percent of the total labour cost.

Results also show that large establishments had a total employment compensation of TZS 1,253,835 million or 91.7 percent, while small establishments had TZS 112,909 million or 8.3 percent of the total. Manufacturing was the leading sub-sector across both large and small establishments with compensations of TZS 680,428 million or 54.3 percent and TZS 110,883 million or 98.2 percent within the respective sub-sectors.

Table 9: Compensation of Employees by Sub-Sector, CIP 2013

(Million TZS)			
Sub-Sector	Establishments Engaging Ten or More Persons	Establishments Engaging One to Nine Persons	Total
Mining and quarrying	363,111	1,188	364,299
Manufacturing	680,428	110,883	791,311
Electricity, gas, steam and air conditioning supply	180,794	256	181,050
Water supply; sewerage, waste management and remediation activities	29,502	582	30,084
Total	1,253,835	112,909	1,366,744

Value Added is a return to the components of production. It is the difference between Gross Output (GO) and Intermediate Consumption (IC). It is a measure of production entity contribution to Gross Domestic Product (GDP).

5.1 Value Added by Industrial Sub-Sector

The 2013 Census results show that the total value added of the four industrial sub-sectors was TZS 8,220,560 million. Large establishments which engage ten or more workers contributed a higher value added of TZS 7,857,680 million (95.6 percent) than that of small establishments engaging one to nine workers which had a total of TZS 362,880 million or 4.4 percent of the total sector value added.

As usual, the manufacturing sub-sector made the largest contribution to the sectors value added. Its contribution was TZS 4,907,991 million or 59.7 percent of the industrial sectors value added, and of this TZS 4,552,716 million or 92.8 percent of the contribution came from large establishments.

The second sub-sector was mining and quarrying with TZS 2,920,392 million or 35.5 percent of the sector value added followed by electricity, gas, steam and air conditioning supply which had TZS 311,730 million or 3.8 percent of the sector value added. The sub-sector with the smallest value added was water supply, sewerage, waste management and remediation activities which contributed TZS 80,447 million or just 1.0 percent of the total industrial sector value added.

Table 10: Value Added by Sub-Sector and Employment Size, Tanzania Mainland, CIP 2013

(Million TZS)			
Sub-Sector	Establishments Engaging Ten or More Persons	Establishments Engaging One to Nine Persons	Total
Mining and quarrying	2,915,516	4,876	2,920,392
Manufacturing	4,552,716	355,275	4,907,991
Electricity, gas, steam and air conditioning supply	310,910	820	311,730
Water supply; sewerage, waste management and remediation activities	78,538	1,909	80,447
Total	7,857,680	362,880	8,220,560

5.2 Value Added by Industrial Activity

Value added by industrial activity differed from one activity to another. For large establishments engaging ten or more persons, the activity with the largest value added was mining of metal ores with TZS 2,796,275 million (35.6 percent), followed by manufacture of food products TZS 1,760,221 million (22.4 percent); manufacture of beverages TZS 1,019,260 million (13.0 percent); and manufacture of tobacco products, TZS 409,867 million (5.2 percent). Other activities contributed a total of TZS 1,872,057 million or 23.8 percent of the total industrial sector value added.

Table 11: Value Added by Industrial Activity and Employment Size, Tanzania Mainland, CIP 2013

(Million TZS)			
Industrial Activity	Establishments Engaging Ten or More Persons	Establishments Engaging One to Nine Persons	Total
Mining of coal and lignite	393	0	393
Mining of metal ores	2,796,275	1,006	2,797,281
Other mining and quarrying	118,848	3,870	122,718
Manufacture of food products	1,760,221	148,297	1,908,518
Manufacture of beverages	1,019,260	1,051	1,020,311
Manufacture of tobacco products	409,867	71	409,938
Manufacture of textiles	163,733	3,749	167,482
Manufacture of wearing apparel	10,050	54,189	64,239
Manufacture of leather and related products	13,965	1,439	15,404
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	67,907	18,865	86,772
Manufacture of paper and paper products	16,319	101	16,420
Printing and reproduction of recorded media	69,475	3,490	72,965
Manufacture of coke and refined petroleum products	15,060	0	15,060
Manufacture of chemicals and chemical products	171,859	959	172,818
Manufacture of basic pharmaceutical products and pharmaceutical preparations	19,580	13	19,593
Manufacture of rubber and plastics products	186,043	591	186,634
Manufacture of other non-metallic mineral products	306,985	25,133	332,118
Manufacture of basic metals	32,589	61	32,650
Manufacture of fabricated metal products, except machinery and equipment	36,204	36,360	72,564
Manufacture of computer, electronic and optical products	30,967	29	30,996
Manufacture of electrical equipment	22,315	2,571	24,886
Manufacture of machinery and equipment n.e.c.	4,248	2,173	6,421
Manufacture of motor vehicles, trailers and semi-trailers	16,222	690	16,912
Manufacture of other transport equipment	13,883	265	14,148
Manufacture of furniture	107,416	52,568	159,984
Other manufacturing	26,683	2,191	28,874
Repair and installation of machinery and equipment	31,864	421	32,285
Electricity, gas, steam and air conditioning supply	310,910	820	311,730
Water collection, treatment and supply	75,844	1,803	77,647
Waste collection, treatment and disposal activities; materials recovery	2,694	106	2,800
Total	7,857,679	362,882	8,220,561

Table 12: Manufacturing Value Added by Activity, Tanzania Mainland, CIP 2013

(Million TZS)			
Industrial Activity	Establishments Engaging Ten or More Persons		
	Gross Output	Intermediate Consumption	Value Added
Manufacture of food products	3,953,075	2,192,855	1,760,220
Manufacture of beverages	1,743,089	723,829	1,019,260
Manufacture of tobacco products	655,603	245,736	409,867
Manufacture of textiles	404,590	240,857	163,733
Manufacture of wearing apparel	24,619	14,570	10,049
Manufacture of leather and related products	55,042	41,077	13,965
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	124,421	56,514	67,907
Manufacture of paper and paper products	96,703	80,384	16,319
Printing and reproduction of recorded media	177,532	108,057	69,475
Manufacture of coke and refined petroleum products	70,052	54,992	15,060
Manufacture of chemicals and chemical products	554,111	382,252	171,859
Manufacture of basic pharmaceutical products and pharmaceutical preparations	60,170	40,590	19,580
Manufacture of rubber and plastics products	631,542	445,498	186,044
Manufacture of other non-metallic mineral products	759,228	452,242	306,986
Manufacture of basic metals	170,807	138,218	32,589
Manufacture of fabricated metal products, except machinery and equipment	115,917	79,713	36,204
Manufacture of computer, electronic and optical products	36,456	5,488	30,968
Manufacture of electrical equipment	102,967	80,652	22,315
Manufacture of machinery and equipment n.e.c.	10,393	6,145	4,248
Manufacture of motor vehicles, trailers and semi-trailers	38,856	22,634	16,222
Manufacture of other transport equipment	60,480	46,597	13,883
Manufacture of furniture	369,046	261,629	107,417
Other manufacturing	70,301	43,618	26,683
Repair and installation of machinery and equipment	34,946	3,081	31,865
Total	10,319,946	5,767,228	4,552,718

Table 13: Distribution of Manufacturing Value Added by Employment Size Group, Tanzania Mainland, CIP 2013

Employment Size Group	Million TZS	Percent
1-9	355,275	7.2
10 - 19	152,800	3.1
20 - 49	182,357	3.7
50 - 99	336,860	6.9
100 - 499	1,758,339	35.8
500+	2,122,361	43.2
Total	4,907,992	100.0

Table 14: Manufacturing Value Added by Activity, Tanzania Mainland, CIP 2013

Industrial Activity	(Million TZS)		
	Establishments Engaging One to Nine Persons		
	Gross Output	Intermediate Consumption	Value Added
Manufacture of food products	278,054	129,757	148,297
Manufacture of beverages	1,822	771	1,051
Manufacture of tobacco products	104	33	71
Manufacture of textiles	6,084	2,335	3,749
Manufacture of wearing apparel	76,725	22,536	54,189
Manufacture of leather and related products	2,425	986	1,439
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	31,142	12,277	18,865
Manufacture of paper and paper products	185	84	101
Printing and reproduction of recorded media	6,808	3,318	3,490
Manufacture of chemicals and chemical products	1,670	711	959
Manufacture of basic pharmaceutical products and pharmaceutical preparations	23	10	13
Manufacture of rubber and plastics products	1,180	590	590
Manufacture of other non-metallic mineral products	48,697	23,563	25,134
Manufacture of basic metals	109	48	61
Manufacture of fabricated metal products, except machinery and equipment	63,530	27,171	36,359
Manufacture of computer, electronic and optical products	97	68	29
Manufacture of electrical equipment	4,008	1,438	2,570
Manufacture of machinery and equipment n.e.c.	3,653	1,480	2,173
Manufacture of motor vehicles, trailers and semi-trailers	1,246	557	689
Manufacture of other transport equipment	586	321	265
Manufacture of furniture	83,571	31,004	52,567
Other manufacturing	4,493	2,301	2,192
Repair and installation of machinery and equipment	639	217	422
Total	616,850	261,575	355,275

5.3 Value Added by Region

Value added by region varied across regions. Dar es Salaam region had the largest value added of TZS 2,268,952 million (27.6 percent) followed by Morogoro TZS 1,038,188 million (12.6 percent); Mara TZS 1,029,078 million (12.5 percent), Shinyanga TZS 896,788 million (10.9 percent); and Geita TZS 837,068 million (10.2 percent). These five regions contributed a total of TZS 6,070,074 million or 73.8 percent of the total sector value added while the remaining twenty regions contributed a total of TZS 2,150,488 million or 26.2 percent of the total industrial sector value added.

Table 15: Industrial Value Added by Region and Employment Size, Tanzania Mainland, CIP 2013

(Million TZS)			
Region	Establishment Engaging Ten or More Persons	Establishment Engaging One to Nine Persons	Total
Dodoma	21,399	16,289	37,688
Arusha	354,046	19,042	373,088
Kilimanjaro	238,685	10,198	248,883
Tanga	264,782	12,056	276,838
Morogoro	1,008,892	29,296	1,038,188
Pwani	22,775	10,135	32,910
Dar es Salaam	2,170,810	98,142	2,268,952
Lindi	3,017	4,856	7,873
Mtwara	44,331	2,515	46,846
Ruvuma	7,456	13,799	21,255
Iringa	98,694	9,931	108,625
Mbeya	291,624	16,794	308,418
Singida	18,936	14,652	33,588
Tabora	76,607	5,756	82,363
Rukwa	54,182	4,034	58,216
Kigoma	27,799	2,709	30,508
Shinyanga	877,589	19,199	896,788
Kagera	79,391	8,456	87,847
Mwanza	269,818	14,793	284,611
Mara	1,006,535	22,543	1,029,078
Manyara	64,926	12,033	76,959
Njombe	20,707	3,897	24,604
Katavi	226	2,311	2,537
Simiyu	1,525	5,306	6,831
Geita	832,929	4,139	837,068
Total	7,857,681	362,881	8,220,562