REPUBLIC OF CAMEROON
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MINISTRY OF MINES, INDUSTRY AND TECHNOLOGICAL DEVELOPMENT

REPUBLIQUE DU CAMEROUN
Paix – Travail – Patrie

MINISTERE DES MINES, DE L'INDUSTRIE ET DU DEVELOPPEMENT TECHNOLOGIQUE

STATISTICAL YEARBOOK OF THE MINING, INDUSTRY AND TECHNOLOGICAL DEVELOPMENT SECTOR

2020 edition

Produced with the technical support of
the National Institute of Statistics (NIS)

2020 edition

Cameroon Map

His Excellency Paul BIYA
President of the Republic of Cameroon

His Excellency Chief Dr. Joseph DION NGUTE
Prime Minister of Cameroon

Mister Gabriel DODO NDOKE
Minister of Mines, Industry and Technological Development

Mister FUH Calistus GENTRY
Secretary of State, Ministry of Mines, Industry and Technological Development

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Acronyms and abbreviations

%	Percentage
...	Data not available
///	Amount not justified
ANOR	Standards and Quality Agency
API	Investment Promotion Agency
APME	Small and Medium-Sized Business Promotion Agency
BM	World Bank
CAEMI	Centre for Analysis, Testing and Industrial Metrology
CAPAM	Support and Promotion Framework for Mining Crafts
CCIMA	Chamber of Commerce, Industry, Mines and Handicrafts
CEMAC	Economic and Monetary Community of Central African States
DAG	Department of General Affairs
DDQ	Division of Quality Development
DDTPI	Department of Technological Development and Industrial Property
DEPCO	Division of Studies, Projects and Cooperation
DG	Department of Geology
DI	Department of Industry
DM	Department of Mines
DSF	Statistical and Tax Declaration
EAE	Annual Business Survey
MAGZI	Industrial Zones Development and Management Authority
MINMIDT	Ministry of Mines, Industry and Technological Development
NIS	National Institute of Statistics
OAPI	African Intellectual Property Organization
ONZFI	National Office of Industrial Free Zones
PRECASEM	Mining Sector Capacity Building Project
RGE	General Census of Enterprises
SNI	National Investment Corporation
SNPPK	Permanent National Secretariat of the Kimberley Process
UNIDO	United Nations Industrial Development Organization

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Foreword

The Ministry of Mines, Industry and Technological Development (MINMIDT) is pleased to present to you the 2020 edition of the statistical yearbook of the mining, industry and technological development sector.

This is a statistical summary document that meets a real and current need for statistical information in the mining, industry and technological development sector. It brings together, among other things, statistics on: (i) mining and geological resources, (ii) diversification and competitiveness of industrial sectors, (iii) promotion of inventions and technological innovations, and (iv) contribution of the mining, industry and technological development to the economy.

The statistical yearbook thus prepared and made available is mainly intended to be used for the definition and monitoring-evaluation of development policies relevant to the sector. It also stands as an important working document for users, including international organizations, academics, researchers, the media and the general public.

It is a presentation in the form of tables and graphs of the statistical indicators of the sector, constituted as much as possible, in series of data.

This first edition of the statistical yearbook of the mining and technological development sector in Cameroon is one of the fruits of the fruitful cooperation between the Ministry of Mines, Industry and Technological Development and theNational Institute of Statistics (NIS). This is materialized through the technical assistance agreement No. 000010/MINMIDT-INS signed on May 13, 2019 between both administrations for the design and implementation of a statistical information system for the production of the statistical yearbook.

This exercise, conducted by the NIS, was carried out in a participatory manner involving the main actors, i.e. the staff of MINMIDT and NIS.

This is the opportunity for us to thank all those who contributed to the successful outcome of the project which made it possible to produce, in addition to this statistical yearbook and the data analysis report, a conceptual document of the information system. MINMIDT statistics and an active database.

Finally, we would like to thank the NIS, our partner of yesterday, today and tomorrow, for the quality of the work carried out. By wishing the sustainability of the initiative, we call on this institution to continue its technical support to sectoral administrations for the implementation of their activities and development of the national statistical system.

Mr. DODO NDOKE Gabriel

Minister of Mines, Industry and Technological Development

Chapter I

Presentation of the statistical yearbook and methodology

1.1. Summary of results

Thanks to Decree No. 2012/242 of October 1, 2012, the intervention of the Ministry of Mines, Industry and Technological Development in the economy in general and in the industry and services sector is clearly identified. It is thus responsible for the development and implementation of the Government's mining and industrial policy and technological development strategies in the various sectors of the national economy. As such, it is responsible for:

- ✓ **in the area of mining**:
  - development of mining cartography;
  - geological prospecting and mining activities;
  - development of mining, oil and gas resources;
  - management of natural mining and gas resources;
  - monitoring of the upstream oil sector.

- ✓ **in the area of industry:**
  - promotion of local industry;
  - development of industrial zones;
  - promotion of private investment;
  - development and implementation of the country's industrialization plan;
  - preparation, dissemination and monitoring of the implementation of the instruments provided for in the Investment Charter;
  - local processing of mining, agricultural and forestry products, in conjunction with the Ministry of Agriculture and Rural Development, Ministry of Forests and Wildlife and the Administrations concerned;
  - monitoring the activities of the National Office for Industrial Free Zones and the Mission for the Development and Management of Industrial Zones;
  - monitoring standards and quality, in conjunction with the Administrations concerned.

- ✓ **in the area of technologies:**
  - technological development, in conjunction with the Ministry of Scientific Research and Innovation;
  - technological watch in industrial matters, in conjunction with the administrations concerned.

1.1.1. Some mining statistics

Cameroon currently has at least 12 proven mineral reserves, of which 5 have been operated for at least 5 years. This is a reserve for the operation of diamonds, one for the operation of nickel, cobalt, manganese, and three (03) for the operation of marble.

As part of the promotion and control of mining research activity, since 2015, around 213 exploration permits have been issued, of which 135 have been monitored (checked). Exploration permits issued generally relate to gold and related substances as well as iron and related substances. In 2020, a total of 37 exploration permits were issued, of which 19 were for gold and related substances and 07 for iron and related substances.

With regard to the production of mine substances, there has been a decline in semi-mechanized artisanal gold production since 2017, dropping from 679.59 kg to 317.34 kg in 2019.

Regarding quarry projects, the issuance of permits for the recognition of quarry substances in Cameroon has decreased considerably since 2018, from 33 permits issued in 2018 to 06 in 2020. The issuance of semi-mechanized operating permits has not yet started despite the promulgation of the new law on the mining code. In addition, over the period 2018 to 2020, the number of quarries decreased. It went from 434 in 2018 to 377 in 2020.

With regard to the production of quarry substances, in 2020, the minimum industrial production of laterite, pozzolan, clay and sand is around 1,340,999 m3, as against 98,257 m3 for semi-mechanized production and 479,016 m3 for artisanal production.

1.1.2. Some industry statistics

Aspects related to industry, competitiveness of the national economy develop around the ssupport for processing activities, of the protection and security of the industrial fabric, the food standards and food safety, as well as the legal and regulatory system.

With regard to competitiveness, there is a stagnation in Cameroon's industrial competitiveness compared to the rest of the world, Africa or the CEMAC sub-region. In 2018, the UNIDO industrial competitiveness index ranked Cameroon respectively 121st (out of 152 countries), 16th (out of 31 countries) 3rd (out of 4 countries) in the world, in Africa and in the CEMAC zone.

As far as support for production activities is concerned, between 2015 and 2016, an average of 3,316 ha of industrial land was available for industrial activities. During the same period, no industrial land was developed. On the other hand, nearly 15.5% of the surface area of industrial land was developed in 2017.

As part of the protection and security of the industrial fabric, in 2019 and 2020, at least 4,788 and 5,658 classified establishments were respectively enumerated, i.e. at least 229 and 451 first-class establishments respectively. In addition, over the period 2015 to 2019, at least 75% of establishments in the different regions were covered by inspection visits, with the exception of the South-West and North-West regions where the coverage rates are lower. For the coverage of second-class establishments, there was generally no inspection visit in 2020.

1.1.3. Some statistics on technological development

The major actions in the area of valorization inventions and technological innovations mainly concern the promotion of technologies and industrial property assets.

In the area of technology promotion, since 2015, about 8 new technologies have been identified, of which only one valued technology. The same goes for the production of prototypes. The production or the installation since 2015 of 8 prototypes can be observed, among which one (01) put into production, i.e. a prototype utilization rate of 12.5%.

For the production of prototypes, an overall volume of 300 million CFA francs has been requested from MINMIDT since 2015, of which 130 million have been allocated, i.e. a financing rate of 43.33%.

Regarding the promotion and development of industrial property assets, two (02) Geographical Indications have been valued to date. These are: white pepper from Penja and white honey from Oku.Other products are under protection, including Cameroon's red cocoa.

In addition, since 2015, 2,666 industrial property assets have been protected, including 56.15% of protected trademarks and 31.73% of registered trade names.

1.1.4. Contribution to the economy

The secondary sector, including manufacturing and extractive industries, remains one of Cameroon's development pillars. While the contribution of the secondary sector to real GDP growth has declined since 2015, from 2.6% in 2016 to 0.8% in 2018, that of the extractive industries has followed the same trend, dropping from 1.5% in 2015 to -0.1% in 2018, then 0.4% in 2019.

This downward trend contrasts with the significant increase in the number of industries in the industrial and mining sector between 2009 and 2016. In the extractive industries branch, it rose from 30 to 70, in the food industry branch, it went from 767 to 2,564, i.e. an increase of 234.4% compared to the value in 2009.

With regard to employment in the industry and mining sector, according to the second census of enterprises, the extractive and manufacturing industries generated 109,976 jobs in Cameroon in 2016, including a proportion of women of 39.6%. In the formal sector, in particular, the number of employees has been growing since 2015, from 87,033 people employed in 2015 to 94,786 in 2017.

1.2. Summary of the methodology

The development of the statistical yearbook of the mining, industry and technological development sector in Cameroon follows a global approach harmonized in four (04) stages: (i) preparatory work, (ii) collection and processing of data, (iii) drafting of the yearbook, and (iv) dissemination.

1.2.1. Preparatory work

The preparatory work was structured around: (i) identification of statistical information needs, (ii) validation of needs, (iii) development of the model of the yearbook and its validation, (iv) development and validation of data collection sheets.

The identification of needs made it possible, in a participatory approach, to carry out a statistical audit of the MINMIDT information system in order to identify MINMIDT's needs in statistical information which will be the subject of progressive implementation by the information system to be established.

The idea was to start from the indicators resulting from the logical performance framework of the ministerial programs of MINMIDT and to derive all the indicators (from the point of view of supply and demand) which the system needs. All the structures of MINMIDT (central and devolved services, enterprises under supervisory authority and MINMIDT projects) were consulted throughout the process of identifying needs, and each of them intervened as part of its related program under MINMIDT and its missions.

The needs identified were validated during a workshop bringing together the various focal points of MINMIDT as well as the technical team of the National Institute of Statistics.

The statistical information needs having been identified, the latter were used for the production of the model of the statistical yearbook of the mining, industry and technological development sector. The overall structure as well as the content were also validated during a workshop including all the stakeholders.

In addition, the data collection sheets were designed using the various indicators validated during the previous steps as well as the various mock-ups of the tables. These have also been validated.

1.2.2. Data collection and processing

For this first edition of the yearbook, administrative data sources are the main sources of information. Data collection started with a preliminary phase, including training of trainers and collection agents. Devolved services, central and attached MINMIDT services as well as other administrations (NIS, BUCREP, MINADER, etc.) identified as secondary sources of information were called upon. The administrative data were collected at the divisional level, then consolidated and completed at the level of the regional delegations in order to have a single data file for the region. The use of the data consisted initially in the adjustment of the collected data and their consistency. Then the different tables were produced. For most of the tables, the indicators have been disaggregated while respecting the disaggregation variables identified during the needs identification phase. Some tables have been transformed into graphs for ease of reading, especially when the information was only available in aggregate form at the national level for each year.

1.2.3. Draftingof the yearbook

The use of the model of the yearbook, the compilation of tables and graphs resulting from the analysis of the data allowed for the production of the yearbook project including: acronyms, abbreviations and conventional signs, lists of tables and graphs, the minister's foreword and the first part on the analysis of some key indicators, on the methodological summary and on the relevance of the statistical yearbook of the mining, industry and technological development sector. Indicators for internal use (on personnel and equipment management, implementation of the action plan or ministerial roadmap, etc.) were excluded from the document, but taken into account in the Information System established.

1.2.4. Dissemination

The dissemination phase begins with the official presentation of the deliverables of the agreement, including the statistical yearbook. Following this, the paper version is made available to various users through the Division of Studies, Planning and Cooperation of MINMIDT. The electronic version is also made available to users, through the MINMIDT website.

1.3. Difficulties encountered

The difficulties inherent in the preparation of this important document relate mainly to the unavailability of certain data over the desired period, and, for certain regions, the low capacity of the system for reporting statistical information from the mining, industry and technological development sector, from the base to the central level.

The devolved services of MINMIDT were not able to provide all of the information concerning the indicators identified and according to the desired level of disaggregation. For most of the indicators, data were unavailable for years prior to 2017 or 2018. This led to redesigning some tables to make them useful and operatable. In addition, certain information is simply unavailable and marked as such in this document in view of its importance for the information system established.

1.4. Relevance and use of the statistical yearbook

The statistical yearbook is the central document of any statistical system. It synthesizes all the statistics produced by the system by presenting them in an intelligent way that can be used by the user.

As such, the statistical yearbook of the mining, industry and technological development sector in Cameroon is a product of MINMIDT, which should ensure a certain visibility to the performance of the actions carried out by the ministry in the sector. It is a working document for users.

For the ministry, it will help in particular to prepare the Medium-Term Expenditure Frameworks (MTEF) through planning, programming, budgeting and monitoring-evaluation. For other users such as public and private administrations, regional and international organizations, researchers, civil society and others, its content will make it possible to conduct studies and research in the sector.

Chapter 2

Mining and geological resources

2.1. Mining reserves and mining production

Table 1 : Number of proven mineral reserves by type of ore

	2017	2018	2019	2020
Gold	0	0	0	0
Diamond	0	0	0	0
Sapphire	1	1	1	1
Bauxite	3	3	3	3
Iron	7	7	8	7
Nickel, cobalt, Manganese	0	0	0	0
Tin	0	0	0	0
Rutile	1	1	1	1
Total*	12	12	13	12

Source: MINMIDT/MINMIDT regional delegations

** Partial data excluding data for the East, Far North and West regions.*

Table 2 : Number of mining reserves operated by type of ore

Ore type	2015	2016	2017	2018	2019	2020
Gold	0	0	0	0	0	0
Diamond	1	1	1	01	1	1
Sapphire	0	0	0	0	0	0
Bauxite	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Nickel, cobalt, Manganese	1	1	1	1	1	1
Tin	0	0	0	0	0	0
Rutile	0	0	0	0	0	0
Marble	3	3	3	3	3	3
Total	5	5	5	5	5	5

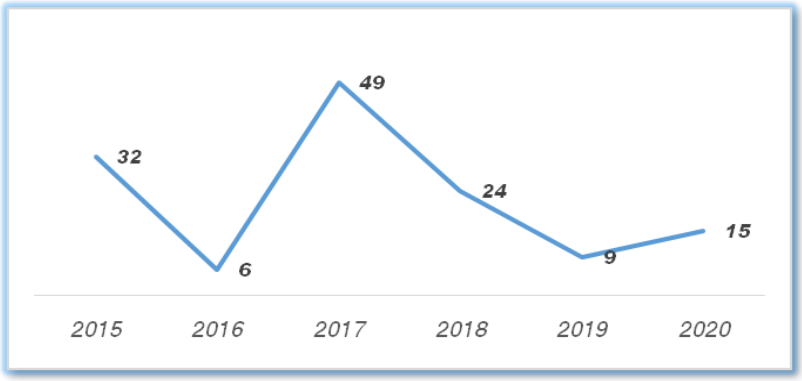
Source: MINMIDT/Directorate of Mines

Table 3 : Number of exploration permits issued per year by type of ore

Ore type	2015	2016	2017	2018	2019	2020
Gold and related substances	34	06	56	07	02	19
Iron and related substances	09	0	05	01	01	07
Rutile and related substances	01	0	04	01	06	05
Diamond and related substances	01	0	0	0	0	0
Bauxite and related substance	01	01	0	03	0	04
Sapphire and related substances	03	0	0	0	0	0
Lead and related substance	01	0	0	0	0	0
Limestone	02	0	0	0	01	0
Marble	02	0	0	0	0	0
All minerals	0	01	05	0	0	0
Nickel and related substances	0	0	04	0	01	0
Uranium	0	0	01	0		0
Cobalt and related substances	0	0	0	15	01	01
Tin and related substances	0	0	0	0	0	01
Total	**54**	**8**	**75**	**27**	**12**	**37**

Source: MINMIDT/Directorate of Mines

Graph 1: Number of research permits issued and monitored (checked) during the year



Source: MINMIDT/Regional delegations

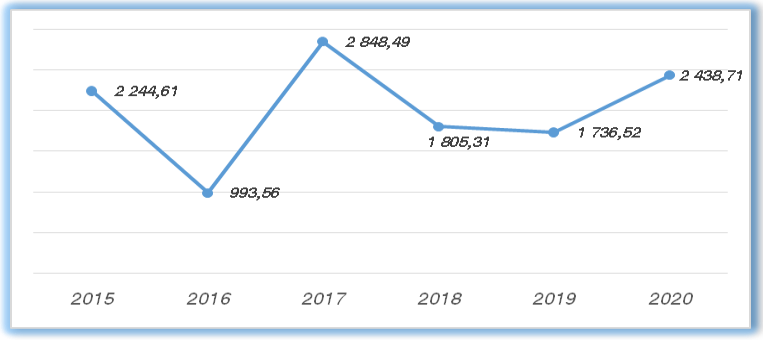
** Partial data not including data from the Centre, Littoral and North regions*

Table 4 : Gold production in Cameroon (in Kg)

	2015	2016	2017	2018	2019	2020
Mining craftsmanship in the strict sense	...	...	...	...	...	...
Semi-mechanized mining crafts	801.18	542.15	679.59	431.69	317.34	...

Source: MINMIDT /CAPAM

Graph 2: Quantity of diamond traced per year in Cameroon (Carat)

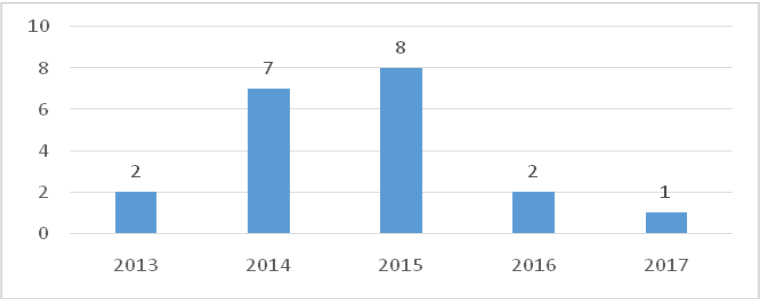


Source: SNPPK

2.2. Mining and Quarry Projects

2.2.1. Mining projects

Graph3: Number of mineral water operation permits issued per year



Source: MINMIDT/DM

Table 5 : *Number of authorizations for artisanal mining of mineral substances issued by region*

Region	2015	2016	2017	2018	2019	2020
Adamawa (gold)	59	125	64	0	2	24
Centre	0	0	0	0	0	0
East (gold)	361	387	31	26	17	58
Far North	0	0	0	0	0	0
Littoral	0	0	0	0	0	0
North (gold)	0	0	0	0	0	1
North-West	0	0	0	0	0	0
West	0	0	0	0	0	0
South (gold)	11	35	5	2	3	9
South-West	0	0	0	0	0	0
Total	**431**	**547**	**100**	**28**	**22**	**92**

Source: MINMIDT/Regional delegations

Table 6 : *Number of collector cards for mineral substances from artisanal mining issued*

Region	2015	2016	2017	2018	2019	2020
Adamawa	25	18	22	18	9	22
Centre	0	0	14	19	2	7
East	71	35	30	30	46	33
Far North	0	0	0	0	0	0
Littoral	...	...	...	...	...	...
North	...	...	0	1	1	4
North-West	0	2	3	0	0	0
West	0	0	0	0	0	0
South	3	...	4	...	4	5
South-West	0	0	0	0	0	0
Total	///	///	///	///	///	///

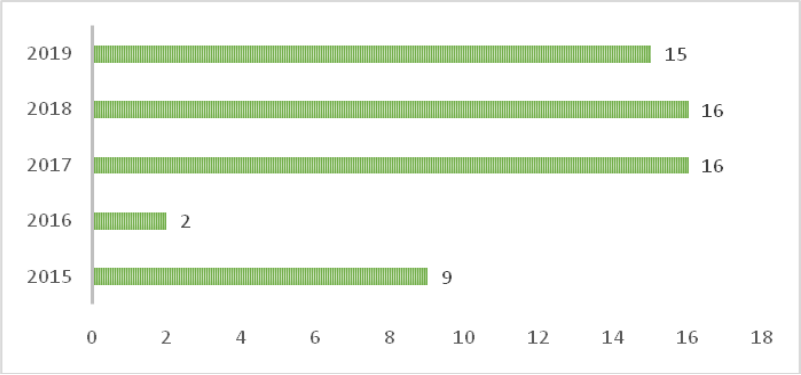
Source: MINMIDT/Regional delegations

Table 7 : *Number of artisanal mining cards for mineral substances from artisanal mining issued per year*

Region	2015	2016	2017	2018	2019	2020
Adamawa	6	30	89	42	39	165
Centre	0	0	0	0	0	0
East	...	...	44	12	67	41
Far North	...	...	33	45	41	13
Littoral	...	...	...	...	...	...
North	...	...	10	0	2	6
North-West	0	0	0	0	0	0
West	0	0	0	0	0	0
South	15	13	...	22	49	30
South-West	...	...	...	...	1	3
Total	///	///	///	///	///	///

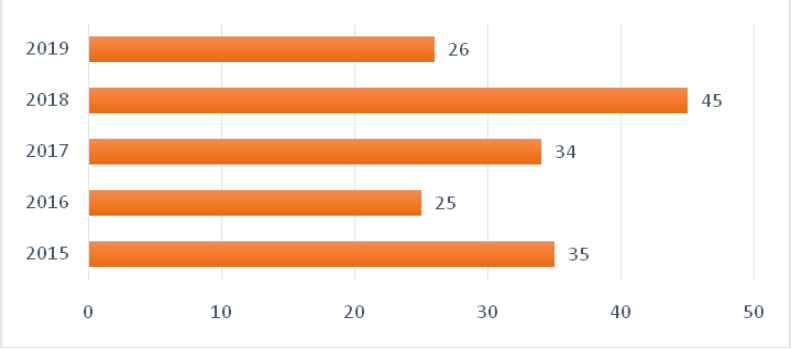
Source: MINMIDT/Regional delegations

Graph 4 : Number export and transit authorizations for mineral substances issued



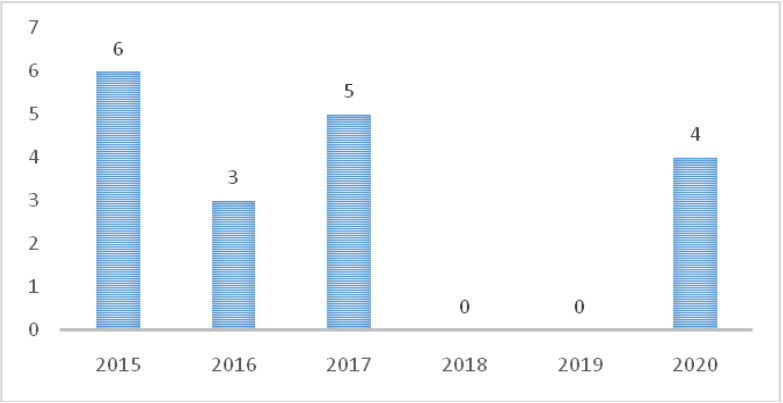
Source: MINMIDT/DM

Graph 5: Number of authorizations to open offices for the purchase and marketing of mineral substances from artisanal mining issued



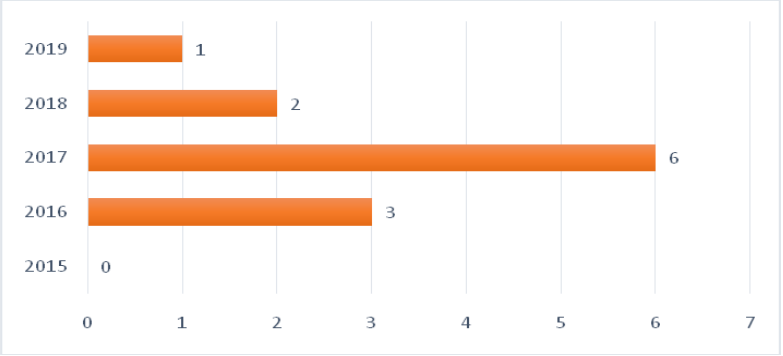
Source: MINMIDT/DM

Graph 6: Number of mineral water bottling and bagging authorizations issued



Source: MINMIDT/DM

Graph 7 : Number of authorizations to open a gold smelting unit issued



Source: MINMIDT/DM

Table 8 : *Number of mining titles renewed during the year by type of mineral substance*

Substances	2015	2016	2017	2018	2019	2020
Gold	8	0	12	2	0	4
Diamond	0	0	0	0	0	0
Sapphire	0	0	0	0	0	0
Bauxite	0	0	0	0	0	0
Iron	2	0	6	1	0	2
Nickel, cobalt, manganese	0	0	0	0	0	0
Tin	0	0	0	0	0	0
Rutile	1	0	0	0	0	0
Limestone	0	0	0	0	0	0
Marble	2	0	1	0	0	0
Total	13	0	19	3	0	6

Source: MINMIDT/DM

2.2.2. Quarry projects

Table 9 : *Number of recognition permits bytype of quarry substance*

Region	2015	2016	2017	2018	2019	2020
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	...	...	01	02	00	01
Hard materials (stones)	...	...	28	31	04	05
Total	...	...	29	33	04	06

Source: MINMIDT/DM

Table 10 : *Number of operating permits by type of quarry substance*

Region	2015	2016	2017	2018	2019	2020
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	03	07	01	04	02	00
Hard materials (stones)	29	30	19	23	27	17
Total	**32**	**37**	**20**	**27**	**29**	**17**

Source: MINMIDT/DM

Table 11 : *Number of semi-mechanized operating permits issued by type of quarry substance*

Substance	2017	2018	2019	2020
Gravel	**3**	**3**	**2**	**3**
Laterites	**6**	**6**	**5**	**13**
Pozzolana	**0**	**0**	**0**	**0**
Clay	**0**	**0**	**0**	**0**
Sand	**3**	**3**	**6**	**6**
Basalt	**0**	**0**	**0**	**0**
Granite	**1**	**0**	**6**	**0**
Limestone	**0**	**0**	**0**	**0**
Total*	**16**	12	19	22

Source: MINMIDT/Regional delegations

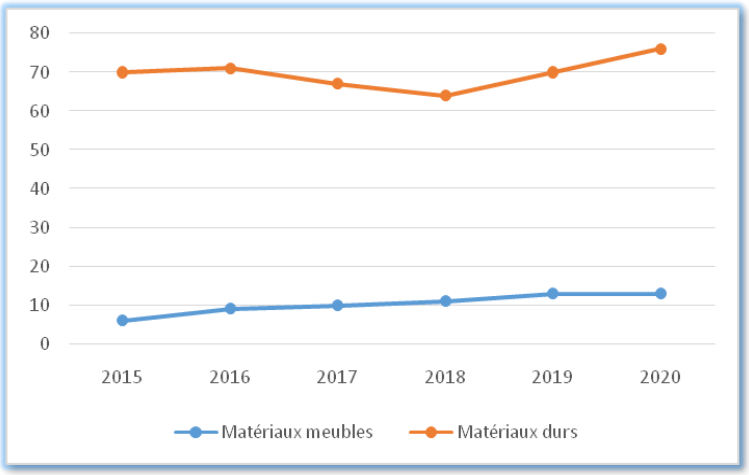
** Partial data not including data from the East region for any type of substance, from the South and Littoral region with regard to sand in 2017, and from the South region with regard to basalt and granite in 2018*

Table 12 : *Number of artisanal mining authorizations for quarrying substances by type of substance*

	2015	2016	2017	2018	2019	2020
Gravel	...	...	...	**10**	**5**	**9**
Laterites	...	...	...	**16**	**12**	**11**
Pozzolana	...	...	...	**11**	**3**	**5**
Clay	...	...	...	**2**	**6**	**0**
Sand	...	...	...	**81**	**125**	**95**
Basalt	...	...	...	**0**	**8**	**1**
Granite	...	...	...	**0**	**0**	**9**
Limestone	...	...	...	**0**	**0**	**0**
Total	...	...	...	**120**	**159**	**130**

Source: MINMIDT/DG, Regional Delegations

Graph 8: Changes in the number of industrial quarries by type of material



Source: MINMIDT/DM

Table 13 : *Number of industrial quarries by type of substance and region*

Regions/Type of substance	2015	2016	2017	2018	2019	2020
Adamawa						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	0	0	0	01	01	01
Hard materials (stones)	02	01	01	03	02	02
Total	***02***	***01***	***01***	***04***	***03***	***03***
Centre						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	0	0	0	01	01	01
Hard materials (stones)	25	20	17	16	18	22
Total	***25***	***20***	***17***	***17***	***19***	***23***
East						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	00	00	00	00	00	00
Hard materials (stones)	03	02	02	02	02	06
Total	***03***	***02***	***02***	***02***	***02***	***06***
Far North						
Loose materials (clays, pebbles, laterites, pozzolans, sands…)	00	00	00	00	00	00
Hard materials (stones)	02	02	02	04	03	04
Total	***02***	***02***	***02***	***04***	***03***	***04***
Littoral						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	02	03	04	04	06	06
Hard materials (stones)	09	11	11	08	08	07
Total	***11***	***14***	***15***	***12***	***14***	***13***
North						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	01	02	02	02	02	02
Hard materials (stones)	02	02	02	02	03	04
Total	***03***	***04***	***04***	***04***	***05***	***06***
North-West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	00	00	00	00	00	00
Hard materials (stones)	07	07	07	08	10	10
Total	***07***	***07***	***07***	***08***	***10***	***10***
West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	00	00	00	00	00	00
Hard materials (stones)	03	03	03	05	06	05
Total	***03***	***03***	***03***	***05***	***06***	***05***
South						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	00	00	00	00	00	00
Hard materials (stones)	09	09	08	08	10	10

Regions/Type of substance	2015	2016	2017	2018	2019	2020
Total	***09***	***09***	***08***	***08***	***10***	***10***
South West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	03	04	04	03	03	03
Hard materials (stones)	08	14	14	08	08	06
Total	***11***	***18***	***18***	***11***	***11***	***09***
Total						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	6	9	10	11	13	13
Hard materials (stones)	70	71	67	64	70	76
Total	**76**	**80**	**77**	**75**	**83**	**89**

Source: MINMIDT/DM

Table 14 : *Number of quarries by type of substance and region*

Regions	2015	2016	2017	2018	2019	2020
Adamawa						
Loose materials (clays, pebbles, laterites, pozzolans, sands…)	0	0	0	2	1	2
Hard materials (stones)	2	2	3	3	2	3
Total	***2***	***2***	***3***	***5***	***3***	***5***
Centre*						
Loose materials (clays, pebbles, laterites, pozzolans, sands…)	21	29	29	32	36	27
Hard materials (stones)	7	9	14	27	35	37
Total	***28***	***38***	***43***	***59***	***71***	***64***
East						
Loose materials (clays, pebbles, laterites, pozzolans, sands…)	0	0	0	0	4	2
Hard materials (stones)	3	3	2	4	4	7
Total	***3***	***3***	***2***	***4***	***8***	***9***
Far North						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	...	...	3	94	87	92
Hard materials (stones)	...	...	2	3	5	6
Total	***///***	***///***	***5***	***97***	***92***	***98***
Littoral						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	**...**	67	75	72	55	59
Hard materials (stones)	**...**	9	7	8	9	10
Total	***///***	***76***	***82***	***80***	***64***	***69***
North						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	3	2	2	4	4	6
Hard materials (stones)	5	5	5	6	8	9
Total	***8***	***7***	***7***	***10***	***12***	***15***
North-West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	0	0	0	0	0	0
Hard materials (stones)	0	0	0	0	0	0
Total	***0***	***0***	***0***	***0***	***0***	***0***
West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	64	72	51	52	46	43
Hard materials (stones)	42	41	48	34	34	32
Total	***106***	***113***	***99***	***86***	***80***	***75***
South						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	14	20	16	34	20	18
Hard materials (stones)	6	8	7	8	10	10
Total	***20***	***28***	***23***	***42***	***30***	***28***
South-West						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	102	113	120	45	50	11
Hard materials (stones)	9	9	9	6	3	3
Total	***111***	***122***	***129***	***51***	***53***	***14***
Total						
Loose materials (clays, pebbles, laterites, pozzolans, sands...)	***///***	***///***	**296**	**335**	**303**	**260**
Hard materials (stones)	***///***	***///***	**97**	**99**	**110**	**117**
Total	***///***	***///***	**393**	**434**	**413**	**377**

Source: MINMIDT, Regional Delegations and Divisional Delegations

2.3. Control of mining and geological activities

Table 15 : *Number of geological and mining sites*

Region	2016					2017					2018					2019					2020				
	Total number of sites	Total number of Secure sites	Nbr at geo-referenced risk			Total number of sites	Total number of Secure sites	Nbr at geo-referenced risk			Total number of sites	Total number of Secure sites	Nbr at geo-referenced risk			Total number of sites	Total number of Secure sites	Nbr at geo-referenced risk			Total number of sites	Total number of Secure sites	Nbr at geo-referenced risk		
			1st Cat. risk	2nd Risk category.	Total			1st Cat. risk	2nd Risk category.	Total			1st Cat. risk	2nd Risk category.	Total			1st Cat. risk	2nd Risk category.	Total			1st Cat. risk	2nd Risk category.	Total
Adamawa	100	1	1	1	1	99	01	01	01	1	98	0	0	0	0	98	0	0	0	0	98	0	0	0	0
Centre	120	0	0	0	0	120	02	02	02	2	120	07	7	7	7	114	3	3	3	3	111	2	2	02	02
East	201	0	0	0	0	201	0	0	0	0	201	02	02	1	1	199	1	1	1	1	198	1	1	01	01
Far North	220	0	0	0	0	220	0	0	0	0	220	0	0	0	0	220	0	0	0	0	220	0	0	0	0
Littoral	202	2	2	2	2	200	0	0	0	0	200	0	0	0	0	200	5	5	5	5	195	1	1	01	01
North	201	0	0	0	0	201	0	0	0	0	201	0	0	0	0	201	0	0	0	0	201	0	0	0	0
North-West	199	0	0	0	0	199	0	0	0	0	199	0	0	0	0	199	0	0	0	0	199	0	0	0	0
West	260	0	0	0	0	260	0	0	0	0	260	02	02	2	2	258	0	0	0	0	258	1	1	01	01
South	212	0	0	0	0	212	02	02	02	2	210	0	0	0	0	210	3	3	3	3	207	1	1	01	01
South-West	219	0	0	0	0	219	02	02	02	2	217	0	0	0	0	217	1	1	1	1	216	0	0	0	0
Total	**1,934**	**3**	**3**	**3**	**2**	**1,931**	**7**	**7**	**7**	**7**	**1,926**	**11**	**11**	**10**	**10**	**1,916**	**13**	**13**	**13**	**13**	**1,903**	**6**	**6**	**6**	**6**

Source: MINMIDT/DG

Table 16 : *Number of controlled geological sites*

	2016	2017	2018	2019	2020
Adamawa	1	1	0	0	0
Centre	0	2	7	3	2
East	0	0	2	1	1
Far North	0	0	0	0	0
Littoral	2	0	0	5	1
North	0	0	0	0	0
North-West	0	0	0	0	0
West	0	0	02	0	1
South	0	2	0	03	0
South-West	0	2	0	01	0
Total	**0**	**7**	**11**	**13**	**5**

Source: MINMIDT/DG

2.4. Income from mining and quarrying

2.4.1. Income from mining

Table 17 : *Changes in mining income from the issuance of hydrocarbon operation permits by type of hydrocarbon (CFA francs)*

	2015	2016	2017	2018	2019	2020
Liquid hydrocarbon	**6,000,000**	**...**	**...**	**250,000,000**	**250,000,000**	**...**
Gas	**...**	**...**	**...**	**...**	**...**	**...**
Condensa	**...**	**...**	**...**	**...**	**...**	**...**

Source: MINMIDT/DM

Table 18 : *Mining income from the issuance of authorizations for artisanal mining of mineral substances (CFA francs)*

	2015	2016	2017	2018	2019	2020
Gold	328,650,000	515,900,000	121,857,500	14,300,000	17,350,000	145,050,000
Diamond	0	0	0	0	0	0
Sapphire	0	0	0	0	0	0
Bauxite	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Nickel, cobalt, manganese	0	0	0	0	0	0
Tin	0	0	2,200,000	0	0	0
Rutile	0	0	0	0	0	0
Total	**328,650,000**	**515,900,000**	**124,057,500**	**14,300,000**	**17,350,000**	**145,050,000**

Source: MINMIDT/Regional delegations

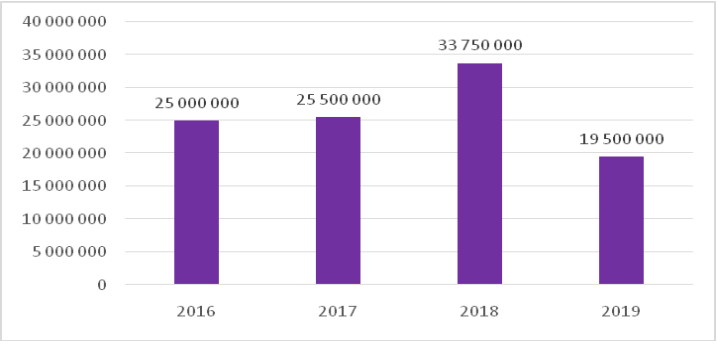
Table 19 : *Mining income from the renewal of mining titles by type of ore (CFA francs)*

	2015	2016	2017	2018	2019	2020
Gold	0	1,800,000	6,565,720	80,920	0	868,000
Diamond	0	0	0	0	0	0
Sapphire	0	0	0	0	0	0
Bauxite	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Nickel, cobalt, manganese	0	0	0	0	0	0
Tin	0	0	0	0	0	0
Rutile	0	0	0	0	0	0
Total*	**0**	**1,800,000**	**6,565,720**	**80,920**	**0**	**868,000**

Source: MINMIDT/Regional delegations

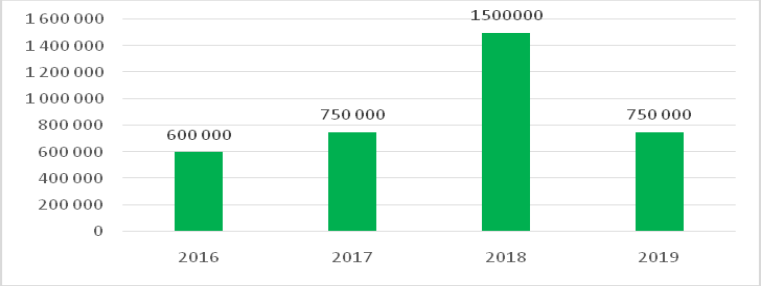
* Partial data not including the figures for the East and West regions, and the South region with regard to Gold

Graph 9: Mining income from the issuance of authorizations to open a purchasing office and marketing of mineral substances from artisanal mining (CFA francs)



Source: MINMIDT/DM

Graph 10: Mining income from the issuance of authorizations to open a gold smelting unit (CFA francs)



Source: MINMIDT/DM

Table 20 : *Mining income from the issuance of collector cards for mineral substances from artisanal mining by region (CFA francs)*

Region	2015	2016	2017	2018	2019	2020
Adamawa	240,000	475,000	550,000	475,000	225,000	550,000
Centre	...	...	...	...	...	...
East	1,175,000	875,000	750,000	750,000	1,150,000	825,000
Far North	0	0	0	0	0	0
Littoral	...	...	...	10,000	220,000	90,000
North	...	...	...	...	75,000	100,000
North-West	0	40,000	20,000	0	0	0
West	0	0	0	25,000	0	0
South	75,000	...	100,000	...	100,000	125,000
South-West	0	0	0	0	0	0
Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 21 : *Mining income from the issuance of artisanal mining cards for mineral substances from artisanal operation (CFA francs)*

Region	2015	2016	2017	2018	2019	2020
Adamawa	270,000	625,000	615,000	480,000	225,000	885,000
Centre	0	0	0	0	0	0
East			440,000	120,000	67,000	41,000
Far North	0	0	330,000	450,000	410,000	160,000
Littoral	0	0	0	0	0	0
North	...	...	100,000	10,000	0	30,000
North-West	15,000	0	15,000	0	0	0
West	0	0	60,000	110,000	0	0
South	150,000	130,000	...	220,000	490,000	300,000
South-West	...	...	...	...	30,000	110,000
Total	///	///	///	///	**1,222,000**	**1,526,000**

Source: MINMIDT/Regional delegations

Table 22 : *Mining income from the export and transit of mineral substances (gold) (CFA francs)*

	2015	2016	2017	2018	2019
Fixed export duties	450,000	100,000	4,000,000	4,000,000	3,750,000
Ad valorem tax	49,087,500	6,168,750	25,986,791	32,559,828.9	30,758,183.25
Total	**49,537,500**	**6,168,750**	**29,986,791**	**36,559,828.9**	**34,508,183,25**

Source: MINMIDT/DM

Table 23 : *Mining income (collected at the devolved level) from duties, taxes and royalties on mining substances (CFA francs)*

	2015	2016	2017	2018	2019	2020
Proportional duties on all substances in the mine	90,680,000	59,123,000	137,631,785	89,436,360	49,849,440	17,092,820
Annual surface royalty	256,827,851	98,815,976	171,915,376	156,129,256	809,986,225	114,752,386
Ad volorem tax	386,253,624	168,748,654	1,998,567,518	142,562,462	157,870,028	79,103,005
Total	**733,761,475**	**326,687,630**	**5,094,039,128**	**388,128,078**	**288,718,091**	**210,948,211**

Source: MINMIDT/DM, DR

Table 24 : *Mining income (collected at the devolved level) from duties, taxes and royalties on mining substances (CFA francs)*

Regions/Type of substance	2015	2016	2017	2018	2019	2020
Adamawa						
Proportional duties on all substances in the mine	0	0	570,000	750,000	1,150,000	2,000,000
Annual surface royalty	0	0	2,000,000	0	8,094,000	9,443,000
Ad valorem tax on precious stones, precious metals, gold	0	0	84,250	360,000	186,240	212,120
Total	***0***	***0***	***2,654,250***	***1,110,000***	***9,430,240***	***11,655,120***
Centre						
Proportional duties on all substances in the mine	0	0	0	0	0	0
Annual surface royalty	0	0	0	0	0	0
Ad valorem tax on precious stones, precious metals, gold	0	0	0	2,491,048	2,815,740	1,899,402
Total	***0***	***0***	***0***	***2,491,048***	***2,815,740***	***1,899,402***
East						
Proportional duties on all substances in the mine	...	...	...	...	...	...
Annual surface royalty	193,600,000	26,342,500	64,012,000	51,132,250	33,936,000	57,511,363
Ad valorem tax on precious stones, precious metals, gold	293,369,180	2,145,946	25,696,080	31,553,076	25,729,026	12,029,746
Total	///	///	///	///	///	///
Far North						
Proportional duties on all substances in the mine	0	0	1.5 million	1.5 million	1.5 million	1.5 million
Annual surface royalty	0	0	3,870,875	8,896,500	11,411,625	11,411,625
Ad valorem tax on precious stones, precious metals, gold	0	0	...	...	58,595,6.4	160,000
Total	***0***	***0***	///	///	***13,497,581.4***	***13,071,625***
Littoral						
Proportional duties on all substances in the mine	0	0	0	0	0	0
Annual surface royalty	0	604,965	604,965	5,466,700	5,514,750	5,429,850
Ad valorem tax on precious stones, precious metals, gold	33,474,721	54,328,518	119,302,100	46,906,953	65,594,973	5,739,795
Total	***33,474,721***	***54,933,483***	***119,907,065***	***52,373,653***	***71,109,723***	***11,169,645***
North						
Proportional duties on all substances in the mine	0	0	0	0	0	0
Annual surface royalty	17,111,851	17,871,911	19,745,986	17,465,806	1,8314,440	23,611,790
Ad valorem tax on precious stones, precious metals, gold	264,000	5,545,770	6,857,848	8,629,840	11,262,649	9,002,649
Total	***17,375,851***	***23,417,681***	***26,603,834***	***26,095,646***	***29,577,089***	***32,614,439***
North-West						
Proportional duties on all substances in the mine	0	0	0	2,000,000	0	0
Annual surface royalty	0	0	0	0	0	0
Ad valorem tax on precious stones, precious metals, gold	0	0	0	0	0	0
Total	**0**	**0**	**0**	2,000,000	**0**	**0**
West						
Proportional duties on all substances in the mine	0	0	290,400	243,200	201,040	427,200

Regions/Type of substance	2015	2016	2017	2018	2019	2020
Annual surface royalty	3,000	3,000	2,037,150	23,800,225	2,907,770	24,770
Ad valorem tax on precious stones, precious metals, gold	79,091.7	57,047	91,759.4	62,526.4	62,886.4	0
Total	***82,091.7***	***60,047***	***2,419,309.4***	***24,105,951.4***	***3,171,696.4***	***451,970***
Sud						
Proportional duties on all substances in the mine	0	0	0	0	0	0
Annual surface royalty	45,600,000	53,480,600	77,680,000	48,750,000	...	6,500,000
Ad valorem tax on precious stones, precious metals, gold	...	...	...	...	...	...
Total	///	///	///	///	///	///
South-West						
Proportional duties on all substances in the mine	...	...	...	...	...	...
Annual surface royalty	513,000	513,000	1,513,000	117,225	319,487.5	319,487.5
Ad valorem tax on precious stones, precious metals, gold	58,872,331	106,426,145	46,007,717.4	50,214,779	4,500,4931.6	48,549,391
Total	///	///	///	///	///	///
Total						
Proportional duties on all substances in the mine	///	///	///	///	///	///
Annual surface royalty	256,827,851	98,815,976	171,463,976	155,628,706	///	114,251,885.5
Ad valorem tax on precious stones, precious metals, gold	///	///	///	///	///	///
Total	///	///	///	///	///	///

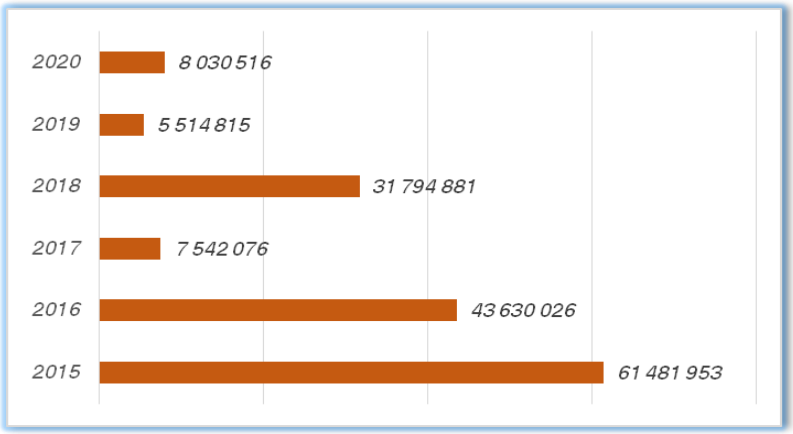
Source: MINMIDT/Regional delegations

Table 25: *Mining income (collected and generated) from thead valorem tax on diamonds (CFA francs)*

	2015	2016	2017	2018	2019	2020
Gold	50,189,349	27,923,217	4,826,929	15,388,644	3,437,102	3,116,975
Diamond	50,189,349	27,923,217	4,826,929	15,388,644	3,437,102	3,116,975

Source: SNPK

Graph 11: Annual income from diamond certification (Customs, ad valorem tax and SNPPK) in CFA francs



Source: SNPK

2.5. Production and income from quarries

Table 26 : *Production of quarry substances (in m3)*

	Substance type	2015	2016	2017	2018	2019	2020
Artisanal	Laterites	...	...	...	...	...	...
	Pozzolana	...	...	...	...	...	...
	Clay	...	...	3,579	3,170	2,407	...
	Sand	...	...	5,977	5,427	8,160	...
	Total	///	///	///	///	///	///
Semi-mechanized	Laterites						
	Pozzolana	...	...	...	...	...	...
	Clay	...	...	...	...	...	...
	Sand	...	...	...	...	...	...
	Total	///	///	///	///	///	///
Industrial	Laterites	...	...	165,948	191,598	610 681.5	...
	Pozzolana	...	...	229,604,555	477,694.21	448,445	...
	Clay	...	...	3,579	61,750	9,370	...
	Sand	...	...	311,898.56	388 722	183,520.5	...
	Total	///	///	542,130	1,259,148.937	2 183 359, 907	///
Total	**Laterites**	**...**	**...**	**56,815**	**68,936**	**85,999.02**	
	Pozzolana	**...**	**...**	**1,309,975,115**	**2,447,849, 147**	**3,521,375,927**	
	Clay	**...**	**...**	///	///	///	///
	Sand	**...**	**...**	///	///	///	///
	Total	///	///	///	///	///	///

Source: MINMIDT/DM

Table 27 : *Artisanal production of quarry substances by region (in m3)*

	Substance type	2015	2016	2017	2018	2019	2020
Adamawa	Laterites	0	0	0	0	795	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	795	0
Centre	Laterites	0	0	0	0	**147,487**	**152,037,845**
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	**73,250**	**36,602.5**	**26,015.79**
	Total	0	0	0	**73,250**	**184,089.5**	**178,053,635**
East	Laterites	0	0	0	0	**...**	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	**...**	**...**	**...**	**...**	**...**	**...**
	Total	///	///	///	///	///	///
Far North	Laterites	0	0	0	**163,016**	**106,055**	**69,825.5**
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	**71,792**	200	**2,490**
	Sand	0	0	**3,437**	850	**4,970**	**2,797.25**
	Total	0	0	**3,437**	**235,658**	**111,225**	**75,112.75**
Littoral	Laterites	**...**	**...**	**...**	**...**	**...**	**...**
	Pozzolana	**...**	**...**	**...**	**...**	**...**	**...**
	Clay	**...**	**...**	**...**	**...**	**...**	**...**
	Sand	**...**	**34,415**	**55,279**	**61,216**	**73,866**	**29,082**
	Total	///	**34,415**	**55,279**	**61,216**	**73,866**	**29,082**
North	Laterites	0	0	0	**2,500**	600	**4,800**
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	**4,500**	700	**1,368**
	Total	0	0	0	**7,000**	**1,300**	**6,168**
North-West	Laterites	0	**15,400**	**32,294**	**20,781**	0	**1,270**

	Substance type	2015	2016	2017	2018	2019	2020
	Pozzolana	...	...	...	...	...	...
	Clay	...	...	...	...	...	...
	Sand	...	...	...	...	...	...
	Total	///	///	///	///	///	///
West	Laterites	0	0	9000	0	0	500
	Pozzolana	1,807.5	10,203.5	50,422,525	64,388,095	48,056.275	18,809,375
	Clay	0	0	0	0	0	0
	Sand	4,830	4,415	4,748	14,183	13,990	15,293.4
	Total	6,637.5	14,618.5	64,170,525	78,571,095	62,046.275	34,602,775
South	Laterites	...	...	8,650	...	23,650	150,050
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	...	12,650	1,500	...	3,050	6,000
	Total	...		10,150	...	26,700	156,050
South-West	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	...	4,635	17,196,748	6,178	5,452	0
	Total	///	4,635	17,196,748	6,178	5,452	0
Total	**Laterites**	///	///	///	///	///	///
	Pozzolana	///	///	///	///	///	///
	Clay	///	///	///	///	///	///
	Sand	///	///	///	///	///	///
	Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 28 : *Semi-mechanized production of quarry substances by region (in m3)*

	Substance type	2015	2016	2017	2018	2019	2020
Adamawa	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	0	0
Centre	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	134,370.16	356,120.66	477,643.4	489,882
	Sand	0	0	71,433.405	113,440.95	126,210.6	13,551
	Total	0	0	0	0	0	0
East	Laterites	0	0	0	0	...	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	...	...	...	...	...	...
	Total	///	///	///	///	///	///
Far North	Laterites	0	0	91,540	49,346	5,680	6,361
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	91,540	49,346	5,680	6,361
Littoral	Laterites	...	...	2,000	25,650	8,958	19,839
	Pozzolana	...	87,195	120,669	109,177	126,258	38,505
	Clay	...	...	...	...	...	...
	Sand	...	3,824	14,512	57,132	77,862	32,802
	Total	///	91,019	137,181	191,959	21,3078	91,146
North	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	0	0
North-West	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0

	Substance type	2015	2016	2017	2018	2019	2020
	Total	0	0	0	0	0	0
West	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	0	0
South	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	0	0
Sout- West	Laterites	...	...	1,600	1,050	725	750
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	///	0	1,600	1,050	725	750
Total	Laterites	///	///	95,140	76,046	///	26,950
	Pozzolana	///	87,195	120,669	109,177	126,258	38,505
	Clay	///	///	///	///	///	///
	Sand	///	///	///	///	///	///
	Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 29 : *Industrial production of quarry substances by region (in m3)*

	Substance type	2015	2016	2017	2018	2019	2020
Adamawa	Laterites	0	0	0	0	34,592	0
	Pozzolana	63,11	28,216	103,145	397,491	48,150	507,919
	Clay	0	0	0	0	0	0
	Sand	0	294	0	6,165	0	7,653
	Total	6,311	28,510	103,145	403,656	82,742	515,572
Centre	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	71,433.405	113,440.95	126,210.6	13,551
	Total	0	0	71,433.405	113,440.95	126,210.6	13,551
East	Laterites	0	0	0	0	...	0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	...	...	...	...	...	...
	Total	///	///	///	///	///	///
Far North	Laterites	0	0	0	0		0
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	0	0	0
	Total	0	0	0	0	0	0
Littoral	Laterites	...	...	...	...	...	...
	Pozzolana	...	495,898	687,569	290,331	313,848	213,521
	Clay	...	...	...	...	...	...
	Sand	...	131056	98916	...	95,924	81,529
	Total	///	626,954	786,485	290,331	409,772	295,050
North	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	0	0
	Clay	4,236	3,914	3,327	3,170	2,407	2,760
	Sand	4,609	6,500	5,977	5,427	8,160	6,040
	Total	8,845	10,414	9,304	8,597	10,567	8,800
North-West	Laterites	...	...	...	...	...	...
	Pozzolana	...	...	...	...	...	...
	Clay	...	...	...	...	...	...
	Sand	...	...	...	...	...	...
	Total	///	///	///	///	///	///
West	Laterites	0	0	0	0	0	0
	Pozzolana	0	0	0	0	55,273.62	90,544.715

	Substance type	2015	2016	2017	2018	2019	2020
	Clay	0	0	0	0	0	0
	Sand	0	0	0	5,021.4	6,192.78	6,531
	Total	0	0	0	5,021.4	61,466.4	97,075.715
South	Laterites	...	...	...	167,650	88,700	55,000
	Pozzolana	0	0	0	0	0	0
	Clay	0	0	0	0	0	0
	Sand	0	0	0	1,350	22,500	11,600
	Total	0	0	0	169,000	111,200	66,600
South-West	Laterites	0	0	0	0	0	0
	Pozzolana	...	35,609,655	305,055.01	136,479	50,697.6	2,003
	Clay	0	0	0	0	0	0
	Sand	...	51,938	65,577	43,601	36,464	29,085
	Total	///	87,547,655	370,632.01	180,080	87,161.6	31,088
Total	Laterites	///	///	///	///	///	///
	Pozzolana	///	///	///	///	///	///
	Clay	///	///	///	///	///	///
	Sand	///	///	///	///	///	///
	Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 30 : *Income from quarries resulting from the issuance of semi-mechanized operating permits by type of quarry substance (CFA francs)*

	2015	2016	2017	2018	2019	2020
Laterites	450,000	0	19,808,000	18,869,200	5,636,000	5,772,800
Pozzolana	0	0	0	5,500,000	0	2,000,000
Clay	0	0	0	0	0	0
Sand	400,200	461,600	308,400	8,161,800	3,000,000	3,510,000
Total*	850,200	461,600	20,116,400	32,531,000	8,636,000	11,282,800

Source: MINMIDT/Regional delegations

** Partial data excluding statistics for the East region, and those for the Littoral region and for the years 2015 to 2017.*

Please note: In theory, semi-mechanized mining authorizations have been suspended since 2016 with the enactment of the mining code.However, data collection showed that these continue to be issued.

Table 31 : *Income from quarries resulting from the issuance of artisanal mining permits for quarrying substances by type of substance (CFA francs)*

	2017	2018	2019	2020
Loose materials (clays, pebbles, laterites, pozzolans, sands, etc.)	8,397,500	7,564,000	9,513,000	10,520,000
Hard materials (stone)	300,000	1,180,000	30,000	1,130,000
Total*	8,697,500	8,744,000	9,543,000	11,650,000

Source: MINMIDT/Regional delegations

** Partial data not including the figures for the Littoral region, and those for the East region for the year 2017*

Table 32 : *Income from quarries from the quarry extraction tax by type of material*

	2016	2017	2018	2019	2020
Loose materials (clays, pebbles, laterites, pozzolans, sands, etc.)	122,790,878	264,674,687	406,815,611	332,228,243	211,377,123
Hard materials (stones)	261,074,000	256,271,749	370,893,009	334,583,635	322,750,408
Total*	383,864,878	520,946,436	777,708,620	666,811,878	534,127,531

Source: MINMIDT/DM, Regional delegations

** Partial data not including the figures for the North-West region, and those for the South for the years 2016, 2017 and 20019 with regard to movable materials.*

Table 33 : *Income from the surface royalty of quarries by region (CFA francs)*

	Substance type	2015	2016	2017	2018	2019	2020
Adamawa	Loose materials	0	0	0	0	0	0
	Hard materials	0	0	0	0	0	0
	Total	0	0	0	0	0	0
Centre	Loose materials	0	0	0	0	629,425	390,025
	Hard materials	0	0	**70,353,940**	**56,630,650**	**40,609,675**	**15,540,025**
	Total	0	0	**70,353,940**	**56,630,650**	**41,239,100**	**15,930,050**
East	Loose materials	...	...	...	...	...	...
	Hard materials	...	...	**3,517,575**	**3,517,575**	**3,517,575**	**4,517,575**
	Total	///	///	**3,517,575**	**3,517,575**	**3,517,575**	**4,517,575**
Far North	Loose materials	0	0	0	0	0	0
	Hard materials	0	0	**3,870,875**	**8,896,500**	**11,411,625**	**11,411,625**
	Total	0	0	**3,870,875**	**8,896,500**	**11,411,625**	**11,411,625**
Littoral	Loose materials	**3,000,000**	**46,566,475**	**44,348,575**	**54,277,934**	**74,430,475**	**102,268,225**
	Hard materials	**46,940,225**	**36,517,550**	**36,753,650**	**39,322,150**	**47,814,050**	**42,053,475**
	Total	**49,940,225**	**83,084,025**	**81,102,225**	**93,600,084**	**122,244,525**	**144,321,700**
North	Loose materials	0	0	0	0	0	0
	Hard materials	**25,673,054**	**25,673,054**	**25,673,054**	**25,673,054**	**25,673,054**	**28,936,600**
	Total	**25,673,054**	**25,673,054**	**25,673,054**	**25,673,054**	**25,673,054**	**28,936,600**
North-West	Loose materials	...	...	...	...	...	...
	Hard materials	...	...	...	...	...	...
	Total	///	///	///	///	///	///
West	Loose materials	20,000	0	55,000	715,000	715,000	250,000
	Hard materials	93,000	0	**4,890,433**	**26,693,508**	**18,727,623**	**12,016,358**
	Total	113,000	0	**4,945,433**	**27,408,508**	**19,442,623**	**12,266,358**
South	Loose materials	0	0	100,000	0	0	
	Hard materials	**16,000,000**	0	0	**3,250,000**	**7,500,000**	
	Total	**16,000,000**	0	100,000	**3,250,000**	**7,500,000**	
South-West	Loose materials	...	...	**42,036,475**	**26,566,447**	**14,241,450**	**10,542,450**
	Hard materials	...	...	**25,174,375**	**21,504,450**	**5,557,075**	**5,557,075**
	Total	**24,024,825**	**51,643,166**	**67,210,850**	**48,070,897**	**19,798,525**	**16,099,525**
Total	**Loose materials**	///	///	///	///	///	///
	Hard materials	///	///	///	///	///	///
	Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

1.5. Other income

Table 34: *Income from tests/visits of gas pressure equipment by region (in CFA francs)*

	Nature	2015	2016	2017	2018	2019	2020
Adamawa	Issued	172,000	289,000	341,000	1,851,400	1,839,000	0
	Recovered	159,000	341,100	289,000	1,224,280	1,735,000	266,600
Centre	Issued	...	...	318,600	4,393,200	26,198,100	15,332,200
	Recovered	...	...	316,600	...	...	...
East	Issued	...	...	...	50,000	400,000	320,000
	Recovered	...	...	...	50,000	400,000	320,000
Far North	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
Littoral*	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
North	Issued	0	0	0	0	0	0
	Recovered	0	0	0	0	0	0
North-West	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
West	Issued	224,000	760,000	1,000,000	913,000	898,000	394,400
	Recovered	143,000	221,000	523,000	536,000	683,000	394,400
South	Issued	...	...	...	1,285,600	1,256,800	186,200
	Recovered	239,400	210,000	841,400	1,272,600	1,256,800	109,400
South-West	Issued	...	...	...	...	4,615,600	...
	Recovered	3,556,500	182,200	1,400,000	1,200,000	5,970,400	...
Total	Issued	///	///	///	///	///	///
	Recovered	///	///	///	///	///	///

Source: MINMIDT/DM, Regional delegations

** At the level of the Littoral region, no distinction is made between the income of gas pressure devices and water vapor pressure devices. Thus the figures provided could not be presented in the desired form.*

Table 35: *Income from tests/visits of water vapor pressure devices by region (in CFA francs)*

	Nature	2015	2016	2017	2018	2019	2020
Adamawa	Issued	0	0	0	0	0	0
	Recovered	0	0	0	0	0	0
Centre	Issued	...	...	50,000	0	134,000	0
	Recovered	...	...	...	///	...	///
East	Issued	...	...	...			
	Recovered	...	...	...			
Far North	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
Littoral	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
North	Issued	0	0	0	0	0	0
	Recovered	0	0	0	0	0	0
North-West	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
West	Issued	...	...	360,000	360,000	306,000	
	Recovered	...	...	153,000	414,000	306,000	153,000
South	Issued	...	...	...	200,000	13,000	0
	Recovered	...	...	...	200,000	13,000	0
South-West	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
Total	**Issued**	///	///	///	///	///	///
	Recovered	///	///	///	///	///	///

Source: MINMIDT/DM, Regional delegations

Table36: *Income from declaration/authorization/approval issuance fees by region (CFA francs)*

	Substance type	2015	2016	2017	2018	2019	2020
Adamawa	Declarations	0	0	0	200,000	0	0
	Authorizations	...	...	...	**8,800,000**	**2,300,000**	**2,400,000**
	Approvals	0	0	0	**0**	**1200000**	**0**
Centre	Declarations	...	...	...	...	...	...
	Authorizations	...	...	...	...	...	...
	Approvals	...	...	...	...	...	...
East	Declarations	...	**1,800,000**	**3,750,000**	**2,000,000**	**1,400,000**	400,000
	Authorizations	...	...	...	...	500,000	1,000,000
	Approvals	...	...	...	...	...	**300,000**
Far North	Declarations	...	...	...	...	...	...
	Authorizations	...	...	...	...	...	...
	Approvals	...	...	...	...	...	...
Littoral	Declarations	...	...	...	...	...	...
	Authorizations	...	...	...	...	...	...
	Approvals	...	...	...	...	...	...
North	Declarations	0	0	0	0	0	0
	Authorizations	0	0	0	0	0	0
	Approvals	0	0	0	0	0	0
North-West	Declarations	...	...	...	...	...	...
	Authorizations	...	...	...	...	...	...
	Approvals	...	...	...	...	...	...
West	Declarations	**2,400,000**	**1,600,000**	**6,600,000**	**3,000,000**	**2,600,000**	**3,200,000**
	Authorizations	0	0	50,000	0	0	300,000
	Approvals	**1,000,000**	**400,000**	**600,000**	**400,000**	**400,000**	**0**
South	Declarations	400,000	400,000	1,000,000	200,000	600,000	0
	Authorizations	0	0	0	500,000	500,000	1,000,000
	Approvals	**0**	**0**	**0**	**0**	**0**	**0**
South-West	Declarations	...	800,000	**3,900,000**	**1,400,000**	**1,200,000**	...
	Authorizations	...	...	...	...	...	...
	Approvals	...	...	**300,000**	**300,000**	**1,000,000**	**300,000**
Total	Declarations	///	///	///	///	///	///
	Authorizations	///	///	///	///	///	///
	Approvals	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 37: *Income from the registration of trade names (CFA francs) by region*

Region	2015	2016	2017	2018	2019	2020
Adamawa	0	0	0	0	0	0
Centre	...	...	...	...	...	...
East	0	0	0	0	0	0
Far North	...	...	...	...	...	...
Littoral	...	...	460,000	40,000	120,000	60,000
North	0	0	0	0	0	0
North-West	0	0	0	0	0	0
West	0	0	20,000	90,000	140,000	110,000
South	0	0	0	0	0	0
South-West	0	0	0	0	0	0
Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 38 : *Income from inspections and controls of classified establishments for the statements of amounts due (in CFA francs)*

	Nature	2015	2016	2017	2018	2019	2020
Adamawa	Issued	14,630,360	11,486,350	16,841,865	45,511,752	58,738,326	0
	Recovered	8,390,150	9,909,250	5,114,560	31,512,999	43,985,701	0
Centre	Issued	155,575,180	199,044,367	174,217,520	299,903,308	322,394,577	22,548,090
	Recovered	25,367,715	89,047,494	62,640,332	86,430,382	212514350	137616472
East	Issued	...	68,631,199	73,491,654	52,627,420	81124795	63588310
	Recovered	...	68,631,199	73,491,654	52,627,420	81124795	51286310
Far North	Issued	13,200,520	26,119,800	35,633,689	45,421,120	48389350	...
	Recovered	...	...	4,089,910	11,058,490		...
Littoral	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
North	Issued	0	0	0	0	0	0
	Recovered	0	0	0	0	0	0
North-West	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
West	Issued	27,376,507	27,889,771	60,955,588	9,352,606	59,032,756	1,377,958
	Recovered	26,152,962	22,045,560	39,703,920	29,299,835	36,096,692	44,318,958
South	Issued	...	...	...	58,534,430	45,959,935	0
	Recovered	9,078,355	20,719,140	29,047,045	34,622,270	40,737,815	14,892,245
South-West	Issued	...	...	58,387,730		91,726,490	0
	Recovered	...	9,908,580	27,617,245	50,779,605	83,323,525	6,298,640
Total	**Issued**	///	///	///	///	///	///
	Recovered	///	///	///	///	///	///

Source: MINMIDT, DI, Regional Delegations

Table 39 : *Income from inspections and controls of classified establishments for the State of sums due for pressure vessels (in CFA francs)*

	Nature	2015	2016	2017	2018	2019	2020
Adamawa	Issued	172,000	289,000	341,000	**1,851,400**	**1,839,000**	0
	Recovered	159,000	341,100	289,000	**1,224,280**	**1,735,000**	266,600
Centre	Issued	///	///	**8,247,200**	**11,439,400**	**14,077,200**	636,900
	Recovered	///	///	...	...	...	...
East	Issued	...	**1,994,600**	**2,351,000**	**2,075,200**	**2,967,200**	**1,359,200**
	Recovered	...	**1,994,600**	**2,351,000**	**2,075,200**	**2,967,200**	**1,359,200**
Far North	Issued	397,300	936,600	923,600	909,400	**1,060,600**	...
	Recovered	...	...	100,800	...	...	...
Littoral	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
North	Issued	0	0	0	0	0	0
	Recovered	0	0	0	0	0	0
North-West	Issued	...	...	...	...	...	...
	Recovered	...	...	...	...	...	...
West	Issued	**1,163,500**	**2,151,800**	**5,148,200**	**5,039,600**	**8,020,600**	117,000
	Recovered	182,000	536,000	777,800	**3,221,800**	**3,118,200**	**1,727,000**
South	Issued	...	...	...	**3,207,800**	**2,721,300**	0
	Recovered	...	...	...	**3,223,595**	**2,189,300**	**1,498,200**
South-West	Issued	...	...	**8,198,800**	**2,457,800**	**4,348,600**	864,200
	Recovered	...	...		**8,514,300**		
Total	Issued	///	///	///	///	///	///
	Recovered	///	///	///	///	///	///

Source: MINMIDT, DI, Regional Delegations

Chapter 3

Diversification and competitiveness of industrial sectors

3.1. Industry, national economy and competitiveness

Table 40: *Changes in Cameroon's rank with regard to the business climate*

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Rank within CEMAC	3rd/6	3rd/6	3rd/6	1/6	3rd/6	2nd/6	2nd/6	2nd/6	1/6	1/6	1/6
Rank in Africa	39th/50	39th/51	35th/51	34th/51	35th/52	35th/51	35th/51	34th/53	33rd/53	34th/53	34th/53
Global rank	171st/183	168th/183	161st/183	161st/185	168th	158th/189	172nd/189	166th/190	163rd/190	166th/190	167th/190

Source: Doing Business Databases

Table 41: *Changes in rank in relation to the industrial competitiveness index*

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rank within CEMAC	3rd/4	2nd/4	3rd/4	3rd/4	3rd/4	3rd/4	3rd/4	3rd/4	...
Rank in Africa	15th/31	14th/31	15th/31	15th/31	16th/31	16th/31	16th/31	16th/31	...
Global rank	116th/152	113th/152	114th/152	115th/152	120th/152	120th/152	121st/152	121st/152	...

Source: UNIDO

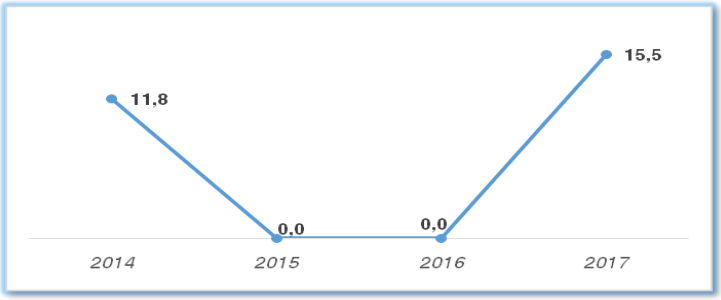
3.2. Support for processing activities

Table 42 : *Changes in the area (ha) of industrial land available*

Regions	2015	2016	2017
Adamawa	115	115	115
Centre	316	316	316
East	224	224	224
Far North	0	0	0
Littoral	342	342	342
North	90	90	90
North-West	44	44	44
West	36	36	36
South	0	0	0
South-West	133	133	133
Total	3315	3316	3317

Source: MAGZI

Graph 12: *Changes in the share (in %) of areas of industrial land developed per year*



Source: MAGZI

Protection and security of the industrial fabric

Table 43 : *Number of accidents in industrial facilities by region and by type of classified establishment*

Regions		2015	2016	2017	2018	2019	2020
Adamawa	1st cat establishment	0	0	0	0	0	0
	2nd cat establishment	1	0	0	0	1	1
Centre	1st cat establishment	...	...	...	56	...	...
	2nd cat establishment	...	...	...	0	...	...
East	1st cat establishment	...	...	...	...	...	...
	2nd cat establishment	...	...	...	...	...	...
Far North	1st cat establishment	...	...	...	9	5	...
	2nd cat establishment	...	...	...	6	11	...
Littoral	1st cat establishment	...	...	...	25	35	...
	2nd cat establishment	...	...	...	85	**105**	...
North	1st cat establishment	...	...	...	4	12	...
	2nd cat establishment	...	...	...	3	1	...
North-West	1st cat establishment	...	...	...	...	...	...
	2nd cat establishment	...	...	...	...	...	...
West	1st cat establishment	...	...	2	2	4	3
	2nd cat establishment	0	1	4	3	7	4
South	1st cat establishment	...	...	...	...	...	...
	2nd cat establishment	...	...	...	...	...	...
South-West	1st cat establishment	...	...	0	0	0	...
	2nd cat establishment	...	...	0	0	0	...
Total	1st cat establishment	///	///	///	///	///	///
	2nd cat establishment	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 44 : *Rate (%) coverage of first-class establishments by inspection visits*

Regions	2015	2016	2017	2018	2019	2020
Adamawa	100	100	100	81	87	0
Centre	83	85	76	100	86	11
East	100	74	100	100	100	0
Far North	100	100	100	100	100	100
Littoral	...	...	...	90	83	...
North	38	100	45	100	92	...
North-West	...	...	...	...	...	...
West	62	53	52	82	76	0
South	100	100	100	100	100	0
South-West		50	58	35	38	...
Total	///	///	///	///	///	///

Source: Inspection, DR, DD MINMIDT

Table 45 : *Rate (%) coverage of second-class establishments by inspection visits*

Regions	2015	2016	2017	2018	2019	2020
Adamawa	83.93	83.55	84.53	55.68	71.98	0
Centre	40	65	41	36	52	0
East	100	100	100	100	100	0
Far North	...	...	71	83	84	...
Littoral	...	...	///	80	74	...
North	...	84	84	100	91	...
North-West	...	...	...	...	...	...
West	62	53	52	82	76	0
South	...	...	70	70	75	0
South-West	...	81	76	30	61	...
Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 46 : *Number of establishments classified by region and by type of classified establishment*

Regions		2015	2016	2017	2018	2019	2020
Adamawa	1st category establishment	///	///	17	16	16	16
	2nd category establishment	305	298	323	422	357	279
Centre	1st category establishment	///	///	88	79	90	90
	2nd category establishment	///	///	1,424	1,823	1,884	1,884
East	1st category establishment	19	14	22	23	30	32
	2nd cat establishment	180	180	205	205	203	194
Far North	1st category establishment	6	6	9	12	12	///
	2nd category establishment	45	48	314	298	296	///
Littoral	1st category establishment	///	///	///	///	///	234
	2nd category establishment	///	///	///	///	///	1,247
North	1st category establishment	21	21	22	23	25	25
	2nd cat establishment	90	104	74	76	146	191
North-West	1st cat establishment	12	12	12	12	11	10
	2nd cat establishment	482	531	563	560	167	33
West	1st category establishment	20	22	23	25	26	23
	2nd category establishment	777	991	863	858	1,086	945
South	1st category establishment	///	///	17	17	19	21
	2nd category establishment	///	///	342	400	420	434
South-West	1st category establishment	19	17	17	17	///	///
	2nd category establishment	///	///	///	///	///	///
Total	1st category establishment	///	///	///	///	///	///
	2nd category establishment	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 47 : *Number of establishments classified by region and divisions and by type of classified establishment*

Regions		2015	2016	2017	2018	2019	2020
ADAMAWA							
Djerem	1st category establishment	...	...	3	3	4	4
	2nd category establishment	...	...	9	9	7	7
Faro and Deo	1st category establishment	1	1	1	1	1	1
	2nd category establishment	26	30	42	39	45	45
Mayo-Banyo	1st category establishment	2	2	3	3	3	3
	2nd category establishment	74	74	74	76	76	45
Mbere	1st category establishment	0	0	0	0	0	0
	2nd category establishment	34	36	31	32	30	28
Vina	1st category establishment	12	12	11	10	9	9
	2nd category establishment	171	158	166	266	199	154
Total	1st category establishment	///	///	17	16	16	16
	2nd category establishment	///	///	**323**	**422**	**357**	**279**
CENTRE							
Upper Sanaga	1st category establishment	3	4	5	4	4	4
	2nd category establishment	...	30	43	48	42	42
Lekie	1st category establishment	4	4	5	7	8	8
	2nd category establishment	50	50	68	75	93	93
Mbam-et-Inoubou	1st cat establishment	0	0	0	0	2	2
	2nd cat establishment	75	75	60	78	75	75
Nyong-and-Mfoumou	1st category establishment	3	3	2	7	13	13
	2nd category establishment	33	36	32	29	38	38
Nyong-and-So'o	1st category establishment	14	10	13	13	11	11
	2nd category establishment	72	57	86	143	142	142

Regions		2015	2016	2017	2018	2019	2020
Mbam-and-Kim	1st category establishment	1	6	8	8	7	7
	2nd category establishment	5	5	44	45	59	59
Mefou-and-Afamba	1st category establishment	24	25	47	31	36	36
	2nd category establishment	**536**	**553**	**1,018**	**1,300**	**1,300**	**1,300**
Mefou-and-Akono	1st category establishment	2	2	2	2	5	5
	2nd category establishment	27	30	28	25	28	28
Mfoundi	1st category establishment	...	...	0	1	1	1
	2nd category establishment	...	...	10	27	33	33
Nyong-and-Kelle	1st category establishment	4	4	6	6	3	3
	2nd category establishment	16	19	35	53	74	74
Total	1st category establishment	///	///	88	79	90	90
	2nd category establishment	///	///	**1,424**	**1,823**	**1,884**	**1,884**
EAST							
Upper-Nyong	1st category establishment	4	3	4	5	5	6
	2nd category establishment	28	28	32	31	31	31
Boumba-and-Ngoko	1st category establishment	7	7	7	7	7	7
	2nd category establishment	18	17	16	22	22	22
Kadey	1st category establishment	3	3	2	2	2	2
	2nd category establishment	19	19	25	37	37	28
Lom-and-Djerem	1st category establishment	5	1	9	9	16	17
	2nd category establishment	115	116	132	115	113	113
Total	1st category establishment	19	14	22	23	30	32
	2nd category establishment	**180**	**180**	**205**	**205**	**203**	**194**
FAR NORTH							
Diamare	1st category establishment	4	4	7	7	7	...
	2nd cat establishment	29	33	85	114	114	...
Logono-and-Chari	1st cat establishment	0	0	0	1	1	...
	2nd category establishment	6	6	50	42	46	...
Mayo-Sava	1st category establishment	0	0	0	1	1	...
	2nd category establishment	1	1	25	21	23	...
Mayo-Danay	1st category establishment	1	1	1	2	2	...
	2nd category establishment	4	3	31	58	50	...
Mayo-Tsanaga	1st category establishment	0	0	0	0	0	...
	2nd category establishment	1	1	52	21	18	...
Mayo Tsanaga	1st category establishment	0	0	0	0	0	...
	2nd category establishment	1	1	52	21	18	...
Mayo kani	1st category establishment	1	1	1	1	1	...
	2nd category establishment	3	3	19	21	27	...
Total	1st category establishment	6	6	9	12	12	///
	2nd category establishment	45	48	**314**	**298**	**296**	///
LITTORAL							
Moungo	1st category establishment	5	9	5	6	17	18
	2nd category establishment	70	92	87	108	137	145
Nkam	1st category establishment						9
	2nd category establishment						32
Sanaga-Maritime	1st category establishment	10		10	20	26	26
	2nd category establishment	70		72	70	70	70
Wouri	1st category establishment					179	181
	2nd category establishment					**1,024**	**1,000**
Total	1st category establishment	///	///	///	///	///	**234**
	2nd category establishment	///	///	///	///	///	**1,247**
NORTH							
Mayo-Louti	1st category establishment	4	4	4	5	5	5
	2nd category establishment	15	15	15	27	39	45
Mayo-Rey	1st category establishment	3	3	4	4	4	4
	2nd category establishment	2	3	3	3	4	6
Faro	1st category establishment	1	1	1	1	1	1

Regions		2015	2016	2017	2018	2019	2020
	2nd category establishment	0	0	0	0	0	0
Benoue	1st category establishment	13	13	13	13	15	15
	2nd category establishment	73	86	56	46	103	140
Total	1st category establishment	21	21	22	23	25	25
	2nd category establishment	90	**104**	74	76	**146**	**191**
NORTH-WEST							
Bui	1st category establishment	1	1	1	1	0	0
	2nd category establishment	94	114	80	94	0	0
Mezam	1st category establishment	6	6	6	6	6	6
	2nd category establishment	283	283	329	329	90	0
Boyo	1st category establishment	0	0	0	0	0	0
	2nd category establishment	18	28	26	0	0	0
Menchum	1st category establishment	0	0	0	0	0	0
	2nd category establishment	21	18	27	42	0	0
Ngo-Ketunjia	1st category establishment	1	1	1	1	1	0
	2nd category establishment	26	26	35	41	41	0
Momo	1st category establishment	3	3	3	3	3	3
	2nd category establishment	18	18	18	18	18	18
Donga-mantung	1st category establishment	1	1	1	1	1	1
	2nd category establishment	22	44	48	36	18	15
Total	1st category establishment	12	12	12	12	11	10
	2nd category establishment	**482**	**531**	**563**	**560**	**167**	33
WEST							
Bamboutos	1st category establishment	1	1	2	3	3	3
	2nd category establishment	64	74	65	65	50	50
Upper-Nkam	1st category establishment	1	1	1	1	2	2
	2nd category establishment	84	100	93	98	96	96
Menoua	1st category establishment	0	0	0	2	1	0
	2nd category establishment	66	70	76	86	95	101
MiFi	1st cat establishment	13	12	11	11	12	12
	2nd category establishment	445	479	335	346	**511**	**515**
Upper-Plateaux	1st category establishment	0	0	0	0	0	0
	2nd category establishment	17	13	18	14	14	13
Koung-Khi	1st category establishment	2	2	2	2	2	2
	2nd category establishment	21	65	31	34	34	29
Noun	1st category establishment	3	5	6	5	5	4
	2nd category establishment	28	139	175	140	141	141
Nde	1st category establishment	0	1	1	1	1	
	2nd category establishment	52	51	70	75	145	
Total	1st category establishment	20	22	23	25	26	///
	2nd category establishment	**777**	**991**	**863**	**858**	**1086**	///
SOUTH							
Dja-and-Lobo	1st category establishment	...	...	4	4	5	6
	2nd category establishment	...	...	84	119	112	126
Mvila	1st category establishment	2	3	3	3	3	3
	2nd category establishment	60	60	60	67	67	67
Ntem Valley	1st category establishment	...	...	2	2	3	4
	2nd category establishment	...	...	111	120	120	120
Ocean	1st category establishment	8	8	8	8	8	8
	2nd category establishment	...	...	87	94	121	121
Total	1st category establishment	///	///	17	17	19	21
	2nd category establishment	///	///	**342**	**400**	**420**	**434**
SOUTH-WEST							
Fako	1st category establishment	12	11	10	10	10	...

Regions		2015	2016	2017	2018	2019	2020
	2nd category establishment	...	...	...	...	...	...
Manyu	1st category establishment	1	1	1	1	...	...
	2nd category establishment	1	2	1	5	...	...
Same	1st category establishment	1	1	1	1	...	...
	2nd category establishment	31	31	29	19	...	...
Lebialem	1st category establishment	0	0	0	0	0	0
	2nd category establishment	25	15	13	13	...	...
Koupé-et-Manengouba	1st category establishment	1	1	1	1	...	...
	2nd category establishment	...	...	...	...	...	...
Ndian	1st category establishment	4	3	4	4	...	...
	2nd category establishment	...	...	...	...	...	...
Total	1st category establishment	19	17	17	17	///	///
	2nd category establishment	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 48 : *Number of sworn inspectors by region*

Regions		2015	2016	2017	2018	2019	2020
Adamawa	Sworn inspectors	13	13	14	15	16	16
	Sworn assistant inspectors	10	11	10	8	8	7
Centre	Sworn inspectors	...	...	...	15	15	17
	Sworn assistant inspectors	...	...	...	4	5	3
East	Sworn inspectors	...	...	7	12	10	9
	Sworn assistant inspectors	...	10	10	10	10	10
Far North	Sworn inspectors	...	...	18	22	22	22
	Sworn assistant inspectors	...	...	2	7	7	7
Littoral	Sworn inspectors	...	...	...	27	21	22
	Sworn assistant inspectors	...	...	...	21	17	18
North	Sworn inspectors	10	10	8	13	13	13
	Sworn assistant inspectors	0	2	2	8	8	8
North-West	Sworn inspectors	...	...	...	16	16	17
	Sworn assistant inspectors	...	...	...	9	9	9
West	Sworn inspectors	10	11	10	19	20	18
	Sworn assistant inspectors	11	11	12	16	15	15
South	Sworn inspectors	6	9	20	18	16	17
	Sworn assistant inspectors	3	4	10	12	12	12
South-West	Sworn inspectors	...	...	...	...	...	...
	Sworn assistant inspectors	...	...	...	...	...	...
Total	**Sworn inspectors**	///	///	///	///	///	///
	Sworn assistant inspectors	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 49: *Number of pressure vessels identified by region*

Nature/type of device		2015	2016	2017	2018	2019	2020
Adamawa							
Air	Fixed	1	1	6	6	6	6
	Half-fixed	34	38	38	33	43	41
	mobile	6	74	74	**502**	**515**	**515**
Industrial gas	fixed	114	125	131	137	133	136
	Half-fixed	0	0	0	0	10	10
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	1	1	1	1	1	1
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Centre							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
East							
Air	Fixed	108	114	117	117	124	130
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	13	14	16	16	17	18
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Far North							
Air	Fixed	108	114	117	117	124	130
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	fixed	13	14	16	16	17	18
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Littoral							
Air	Fixed	...	...				...
	Half-fixed	...	...				...
	Mobile	...	...				...
Industrial gas	Fixed	...	...				...
	Half-fixed	...	...	**43,987**	**4,500**	**3,608**	...
	Mobile	...	...				...
Water vapour	Fixed	...	...				...
	Half-fixed	...	...				...
	Mobile	...	...				...
North							
Air	Fixed	146	208	209	224	232	233
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	13	13	13

Nature/type of device		2015	2016	2017	2018	2019	2020
Water vapour	Fixed	13	24	24	24	24	24
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
North-West							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	0	0	0	0	0	0
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
West							
Air	Fixed	21	105	114	112	118	124
	Half-fixed	10	10	12	12	12	12
	Mobile	1	1	3	2	3	3
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	0	19	19	20	22	22
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
South							
Air	Fixed	7	7	7	7	7	7
	Half-fixed	0	0	0	0	0	0
	Mobile	68	68	76	77	82	82
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	5	5	5	5	5	5
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
South-West							
Air	Fixed	...	...	...	0	0	0
	Half-fixed						
	Mobile						
Industrial gas	Fixed	...	...	...	0	0	0
	Half-fixed						
	Mobile						
Water vapour	Fixed	...	...	...	0	0	0
	Half-fixed						
	Mobile						
Total							
Air	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Industrial gas	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Water vapour	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 50: *Number of pressure devices commissioned (excluding LPG gas cylinders) by region*

Nature/type of device		2015	2016	2017	2018	2019	2020
Adamawa							
Air	Fixed	0	0	5	5	5	5
	Half-fixed	34	38	38	31	42	39
	Mobile	6	74	**74**	**502**	**515**	515
Industrial gas	Fixed	108	118	127	134	129	125
	Half-fixed	0	0	0	0	10	10
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	1	1	1	1	1	1
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Centre							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
East							
Air	Fixed	108	114	117	117	124	130
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Far North							
Air	Fixed	108	114	117	117	124	130
	Half-fixed	...	1	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	half-fixed	...	...	...	...	...	...
	mobile	...	...	...	...	...	...
Littoral							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	0	...	0
	Half-fixed	...	...	...	0	...	0
	Mobile	...	...	...	0	...	0
Water vapour	Fixed	...	...	...	0	10	0
	Half-fixed	...	...	...	0	0	0
	Mobile	...	...	...	0	0	0
North							
Air	Fixed	...	...	...	0	2	3
	Half-fixed	...	...	...	0	1	0
	Mobile	...	...	...	0	0	0
industrial gas	Fixed	...	...	...	0	0	0
	Half-fixed	...	...	...	0	0	0
	Mobile	...	...	...	0	0	0
Water vapour	Fixed	...	...	...	0	0	0
	Half-fixed	...	...	...	0	0	0
	Mobile	...	...	...	0	0	0
Nort-West							
Air	Fixed	...	...	...	...	...	...

Nature/type of device		2015	2016	2017	2018	2019	2020
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
West							
Air	Fixed	7	7	18	18	18	15
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
South							
Air	Fixed	...	...	...	7	7	7
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	4	4	5
Industrial gas	Fixed	...	...	...	...	1	3
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
South-West							
Air	Fixed	...	...	1	12	0	2
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	369	**619**	123	85	54	0
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	1		2	2	0
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Total							
Air	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Industrial gas	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Water vapour	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Table 51 : *Number of re-tested pressure devices (excluding LPG gas cylinders)*

Nature/type of device		2015	2016	2017	2018	2019	2020
Adamawa							
Air	Fixed	0	0	0	0	0	7
	Half-fixed	0	4	0	0	19	26
	Mobile	0	69	69	491	**508**	**508**
Industrial gas	Fixed	0	0	0	0	7	31
	Half-fixed	0	0	0	0	10	10
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	0	0	0	0	1	1
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Centre							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	0	...	0
	Half-fixed	...	...	...	0	...	0
	Mobile	...	...	...	0	...	0
Water vapour	Fixed	...	...	...	0	10	0
	Half-fixed	...	...	...	0	0	0
	Mobile	...	...	...	0	0	0
East							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Far North							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Littoral							
Air	Fixed	...	...				
	Half-fixed	...	...				
	Mobile	...	...				
Industrial gas	Fixed	...	...				
	Half-fixed	...	...	**13,788**	**4,308**	**5,666**	**7,424**
	Mobile	...	...				
Water vapour	Fixed	...	...				
	Half-fixed	...	...				
	Mobile	...	...				

Nature/type of device		2015	2016	2017	2018	2019	2020
North							
Air	Fixed	...	5	2	71	16	21
	Half-fixed	...	0	0	0	0	0
	Mobile	...	0	0	0	0	0
Industrial gas	Fixed	...	0	0	0	0	0
	Half-fixed	...	0	0	0	0	0
	Mobile	...	0	0	0	0	0
Water vapour	Fixed	...	0	0	0	0	0
	Half-fixed	...	0	0	0	0	0
	Mobile	...	0	0	0	0	0
North-West							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
West							
Air	Fixed	5	4	3	7	3	11
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Industrial gas	Fixed	0	0	0	0	0	0
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
Water vapour	Fixed	0	0	0	1	0	2
	Half-fixed	0	0	0	0	0	0
	Mobile	0	0	0	0	0	0
South							
Air	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	...	...	...	...	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	...	3	1	...	...
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	1	...	...	...
South-West							
Air	Fixed	...	...	1	12	0	2
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Industrial gas	Fixed	369	**619**	123	85	54	
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Water vapour	Fixed	...	1		2	2	
	Half-fixed	...	...	...	...	...	...
	Mobile	...	...	...	...	...	...
Total							
Air	Fixed	///	///	///	///	///	///

Nature/type of device		2015	2016	2017	2018	2019	2020
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Industrial gas	Fixed	///	///	///	///	///	///
	half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///
Water vapour	Fixed	///	///	///	///	///	///
	Half-fixed	///	///	///	///	///	///
	Mobile	///	///	///	///	///	///

Source: MINMIDT, Regional delegations

Table 52 : *Number of LPG gas cylinders commissioned*

.	2015	2016	2017	2018	2019	2020
Adamawa	685	696	784	745	743	10,233
Centre	...	...	...	...	...	...
East	...	...	...	0	0	0
Far North	...	...	...	...	...	...
Littoral	...	...	...	...	...	...
North	0	0	0	0	0	0
North-West	0	0	0	0	0	0
West	0	0	0	0	0	0
South	...	...	...	...	...	...
South-West	...	...	...	0	10,000	0
Total	///	///	///	///	///	///

Source: MINMIDT, Regional delegations

Table 53 : *Number of re-tested LPG gas cylinders*

.	2015	2016	2017	2018	2019	2020
Adamawa	614	625	713	674	652	7,930
Centre	...	...	...	8,086	13,869	8,311
East	...	...	...	...	...	1,957
Far North	...	...	...	...	...	...
Littoral			500	0	31,129	36,922
North	0	0	0	150	150	500
North-West	0	0	0	0	0	0
West	0	0	0	0	0	0
South	...	...	...	...	...	...
South-West	...	...	...	...	400	0
Total	///	///	///	///	///	///

Source: MINMIDT/Regional delegations

Chapter 4

Valorization of inventions and technological innovations

4.1. Technology promotion

Table 54 : *Percentage of new technologies valorized by field of activity*

Field of activity	2015			2016			2017			2018			2019			2020		
	Total number.	Valued number	Percentage of technologies valued	Total number.	Valued number (	Percentage of technologies valued	Total number.	Valued number (	Percentage of technologies valued	Total number.	Valued number (	Percentage of technologies valued	Total number.	Valued number (	Percentage of technologies valued	Total number.	Valued number (	Percentage of technologies valued
Common necessities of life	1	0	0	...	...	///	3	1	33.3	...	...	///	...	...	///	1	0	0
Industrial techniques; Transportation	0	0	///	0	0	///	0	0	///	0	0	///	0	0	0	0	0	///
Chemistry; Metallurgy	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///	1	0	0
Textiles; Paper	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///
Fixed constructions	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///
Mechanics; Lighting; Heater; Armament; Blasting	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///	0	0	///
Physics	0	0	///	0	0	///	1	0	0	0	0	///	0	0	///	0	0	///
Electricity	1	0	0	0	0	///	0	0	0	0	0	///	0	0	/	0	0	///
Total	2	0	0	///	//	///	4	1	25	///	///	///	///	///	///	2	0	0

Source: MINMIDT/DDTPI

Table 55: *Number of technologies supported for prototyping by MINMIDT according to the international patent classificationsince 2015*

Field of activity	2015	2016	2017	2018	2019	2020
Common necessities of life	**1**	0	**3**	0	0	**1**
Industrial techniques; Transportation	0	0	0	0	0	0
Chemistry; Metallurgy	0	0	0	0	0	**1**
Textiles; Paper	0	0	0	0	0	0
Fixed constructions	0	0	0	0	0	0
Mechanics; Lighting; Heater; Armament; Blasting	0	0	0	0	0	0
Physics	0	0	**1**	0	0	0
Electricity	**1**	0	0	0	0	0
Total	**2**	**0**	**4**	**0**	**0**	**2**

Source: MINMIDT/DDTPI

Table 56: *Volume of funding requested and mobilized for the production or implementation of prototypes*

Field of activity		2015	2016	2017	2018	2019	2020
Common necessities of life	**Amount requested**	0	0	0	0	0	0
	Amount allocated by MINMIDT	0	0	0	0	0	0
Industrial techniques; Transportation	**Amount requested**	**50,000,000**	0	**75,000,000**	0	0	**50,000,000**
	Amount allocated by MINMIDT	**30,000,000**	0	**30,000,000**	0	0	**15,000,000**
Chemistry; Metallurgy	**Amount requested**	0	0	0	0	0	**50,000,000**
	Amount allocated by MINMIDT	0	0	0	0	0	**15,000,000**
Textiles; Paper	**Amount requested**	0	0	0	0	0	0
	Amount allocated by MINMIDT	0	0	0	0	0	0
Fixed constructions	**Amount requested**	0	0	0	0	0	0
	Amount allocated by MINMIDT	0	0	0	0	0	0
Mechanics; Lighting; Heater; Armament; Blasting	**Amount requested**	0	0	0	0	0	0
	Amount allocated by MINMIDT	0	0	0	0	0	0
	Amount requested	0	0	**25,000,000**	0	0	0
Physics	Amount allocated by MINMIDT	0	0	**10,000,000**	0	0	0
Electricity	**Amount requested**	**50,000,000**	0		0	0	0
	Amount allocated by MINMIDT	**30,000,000**	0		0	0	0
Total	**Amount requested**	**100,000,000**	0	**100,000,000**	0	0	**100,000,000**
	Amount allocated by MINMIDT	**60,000,000**	0	**40,000,000**	0	0	**30,000,000**

Source: MINMIDT/DDTPI

Table 57: *Number of prototypes put into production or used by field of activity*

Field of activity	2015	2016	2017	2018	2019	2020
Common necessities of life	0	0	0	0	0	0
Industrial techniques; Transportation	0	0	0	0	0	0
Chemistry; Metallurgy	0	0	0	0	0	0
Textiles; Paper	0	0	0	0	0	0
Fixed constructions	0	0	0	0	0	0
Mechanics; Lighting; Heater; Armament; Blasting	0	0	0	0	0	0
Physics	0	0	1	0	0	0
Electricity	0	0	0	0	0	0
Total	0	0	1	0	0	0

Source: MINMIDT/DDTPI

Table 58 : *Technopoles established (or under establishment) since 2015*

Ouassa-BabouteAgro-Industrial Technopole (since 2015)
Digital Technopole (since 2016)

Source: MINMIDT/DDTPI

4.2. Industrial property

Table 59 : List of Geographical Indications valorized as of December 31, 2020

- **Penja white pepper**
- **Oku white honey**

Source: MINMIDT/DDTPI

Table 60 : *Number of industrial property assets protected by type of asset*

	2015	2016	2017	2018	2019	2020
Protected trademarks	274	319	173	238	233	260
Industrial Designsprotected	26	40	25	24	26	21
Protected geographical indications	02	00	00	00	00	00
Registered trade names	120	99	207	199	55	166
Patents granted	29	38	15	21	24	34
Total	**449**	**496**	**420**	**482**	**338**	**481**

Source: MINMIDT/DDTPI

Chapter 5

Contribution of the mining, industrial and technological development sector to the economy

5.1. Investment and overall financing of the sector

Table 61 : *Changes from 2016 to 2019 in investments by industrial enterprises (in CFA francs) by branch of activity*

	2016	2017	2018	2019
Total extraction	**276,805,158,226**	**117,569,416,187**	**100,355,037,232**	**268,923,970,207**
Extraction of hydrocarbon products and other energy products	275,884,284,753	114,201,887,536	97,674,763,503	264,483,164,457
Mineral extraction	920,873,473	3,367,528,651	2,680,273,729	4,440,805,750
Total agro-food industries	**38,990,637,942**	**150,017,935,994**	**125,592,050,315**	**130,372,761,861**
Meat and fish industry	1,222,985,173	1,222,985,173	12,015,168,490	-
Grain processing and manufacture of starch products	1,747,055,870	11,194,776,430	13,256,705,715	29,938,552,275
Cocoa, coffee, tea and sugar industry	18,388,848,448	35,008,819,322	21,967,194,316	20,119,534,885
Oilseed and feed industry	3,131,827,120	19,836,644,492	14,793,048,873	10,890,317,908
Manufacture of cereal-based products	1 662 085 481	2,263,538,619	10,626,241,920	3,770,887,323
Milk, fruit and vegetable and other food industry	2,628,295,740	10,252,043,472	7,773,646,066	8,350,257,198
Beverage industry	10,209,540,110	70,239,128,486	45,160,044,935	57,303,212,272
Total other manufacturing industries	**423,869,222,073**	**459,623,447,866**	**179,345,148,155**	**139,911,995,984**
Textile and clothing industries	3,074,536,976	546,706,648	2,326,065,254	4,028,236,761
Leather and shoe manufacturing industries	356,408,920	37,085,669	29,660,669	180,000
Wood industries except furniture manufacturing	13,268,614,533	11,297,353,547	7,375,051,618	6,317,117,387
Manufacture of paper, cardboard and articles of paper or cardboard; printing and reproduction	28 481 552 352	39,101,665,504	7,967,679,954	8,081,980,487
Oil refining and coking	157,809,570,735	63,361,413,388	44,362,005,681	3,146,699,386
Manufacture of chemicals and pharmaceuticals	17,951,652,931	19,386,478,383	9,172,462,025	5,578,372,866
Rubber production and manufacture of rubber and plastic articles	10,353,948,666	25,873,054,436	47,755,906,163	35,861,413,385
Manufacture of non-metallic mineral products	160,254,727,845	13,499,969,891	31,901,906,672	41,295,211,888
Manufacture of basic metallurgical products and articles thereof	20,470,828,219	279,703,535,341	27,547,441,573	35,208,377,248
Manufacture of machinery, electrical appliances and materials nec	3,170,554,905	2,641,773,189	290,028,056	275,081,777
Manufacture of furniture; manufacturing activities nec	6,834,781,076	1,530,257,093	589,740,185	96,685,284
Repair and installation of machinery and equipment	1,842,044,915	2,644,154,777	27,200,305	22,639,515
Production and distribution of electricity, gas and air conditioning	**1,880,115,178**	**102,509,495,137**	**49,182,789,752**	**46,227,223,998**
Water production and distribution, sanitation and waste treatment	**906,242,673**	**93,988,398,314**	**244,966,333,966**	**60,715,840,602**
Construction	**31,171,286,565**	**39,471,551,798**	**73,379,264,939**	**73,083,499,849**
Grand total	**773,622,662,657**	**963,180,245,296**	**772,820,624,359**	**719,235,292,501**

Source : NIS/ECOFIN2019

Table 62 : *Distribution (workforce) of industries by region and branch of activity*

Regions	Extraction		Food industry (including tobacco)		Other manufacturing industries		Electricity, gas, water and sanitation		Construction		Total	
	2009	2016	2009	2016	2009	2016	2009	2016	2009	2016	2009	2016
Douala	18	29	212	640	3,319	8,715	52	74	281	366	3 882	9,824
Yaounde	5	15	179	495	2,810	6,637	25	64	229	397	3,248	7,608
Adamawa	0	0	35	119	172	887	2	7	15	12	224	1,025
Centre excluding Yde	0	2	24	89	133	790	33	4	10	44	200	929
East	3	0	8	70	75	859	8	8	11	6	105	943
Far North	0	1	13	67	153	915	9	5	19	17	194	1,005
Littoral exluding Dla	2	14	29	142	123	967	18	11	10	11	182	1,145
North	0	1	113	176	264	1,031	23	6	39	21	439	1235
North-West	1	0	33	218	1,006	2,479	11	6	32	61	1,083	2,764
West	1	0	75	241	1,227	2,408	8	13	26	75	1337	2,737
South	0	3	13	60	198	769	3	9	6	16	220	857
South-West	0	5	33	247	976	1,935	3	13	28	73	1,040	2,273
Total	**30**	**70**	**767**	**2,564**	**10,456**	**28,392**	**195**	**220**	**706**	**1,099**	**12,154**	**32,345**

Source: NIS, RGE 2009 &RGE 2016

Table 63 : *Distribution of Cameroonian industries based on size and branch of activity*

Sub-sector	TPE		PE		ME		GE		Total	
	2009	2016	2009	2016	2009	2016	2009	2016	2009	2016
Extraction	5	35	6	17	6	6	8	6	25	64
Food industry (including tobacco)	323	2,029	244	366	72	41	56	36	695	2,472
Other manufacturing industries	8,981	23,895	970	3,793	199	200	77	71	10,227	27,959
Electricity, gas, water and sanitation	19	129	14	43	30	11	11	6	74	189
Construction	253	653	244	293	152	103	15	27	664	1,076
Total	**9,581**	**26,741**	**1,478**	**4,512**	**459**	**361**	**167**	**146**	**11,685**	**31,760**

Source: NIS, RGE 2009 &RGE 2016

5.2. Production value

Table 64 : *Changes in the industrial production index*

	2015	2016	2017	2018	2019
Extractive industries	119.8	124.4	124.4	124.4	124.4
Food, drink and tobacco	114.0	113.7	131.6	136.2	120.2
Textile rubber and plastic	102.9	86.2	86.9	111.5	116.3
Wood, paper, printing and publishing	140.7	119.9	100.1	92.2	95.6
Chemical and petroleum industries	115.3	110.7	101.6	66.0	70.5
Intermediate goods and constructions	110.5	107.5	100.7	103.5	118.3
Manufacturing industries	118.8	109.5	110.0	111.4	108.7
Electricity, water and gas	135.3	143.2	148.5	153.4	153.3
Total	**120.6**	**114.7**	**115.6**	**117.3**	**115.2**

Source: NIS

Table 65 : *Changes in industrial production by branch of activity (in billion CFA francs)*

	2011	2012	2013	2014	2015	2016	2017	2018
Extractive industries	1,127	1,331	1,558	1,650	1,861	1,217	855	1,009
Agrifoods industries	2,031	2,179	2,318	2,432	2,501	2,477	2,623	2,630
Other manufacturing industries	117	115	119	135	100	119	138	152
Total of secondary sector	**7,337**	**8,151**	**8,720**	**9,322**	**9,752**	**9,298**	**9,193**	**9,577**
Total of national production	**21,514**	**23,104**	**24,802**	**26,580**	**28,079**	**28,860**	**29,513**	**30,762**

Source: NIS, national accounts

Table 66 : *Changes in the growth rate of value added in volume of the manufacturing sector by branch of activity (in %)*

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Extractive industries	-9.05	-6.73	3.48	8.38	14.26	24.76	-3.38	-16.10	-2.55	8.37
Agrifoods industries	0.83	9.33	5.53	6.80	1.92	1.92	5.73	7.54	4.02	2.53
Other manufacturing industries	0.83	9.33	5.53	6.80	1.92	1.92	5.73	7.54	4.02	2.53
Total	**-1.69**	**3.15**	**4.81**	**6.17**	**4.64**	**8.97**	**1.99**	**-1.13**	**1.83**	**4.98**

Source: NIS, National accounts

Table 67 : *Value addedby branch of activity (in billion CFA francs)*

	2015	2016	2017	2018	2019
Extraction	1,059.8	1,024.0	859.1	837.2	907.2
Food, drink and tobacco	867.6	917.3	986.5	1,026.1	1,052.0
Textiles, clothing, leathers and shoes	239.9	258.4	271.9	285.2	304.1
Wood, paper, printing and publishing	297.0	307.9	308.4	331.7	358.7
Chemicals, petroleum refining, rubber and plastics	204.4	211.1	227.9	218.6	227.0
Building materials, metallurgy and foundry	93.2	90.6	106.2	109.8	107.2
Metal works, electrical appliances and transport equipment	32.2	36.8	35.2	37.1	39.8
Other manufacturing industries	194.4	203.3	220.1	225.8	236.2
Electricity, water and gas	198.2	200.1	212.6	216.5	218.7
Construction	739.0	816.2	888.7	956.2	1,001.5
Total	**3,925.7**	**4,065.6**	**4,116.6**	**4,244.1**	**4,452.6**

Source:NIS, National accounts

Table 68 : *Changes in the value added of the manufacturing sector (in% of GDP) by branch of activity*

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Extractive industries	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.05	0.05	0.05
Agrifoods industries	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Other manufacturing industries	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08
Total	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.21**	**0.20**	**0.19**	**0.19**	**0.19**

Source: NIS, National accounts

Table 69 : *Changes in intermediate consumption of the secondary sector by branch (in thousand CFA francs)*

Branch	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Extractive industries	493.4	445.8	449.8	474.0	544.9	661.4	626.0	494.2	470.5	504.5
of which extraction of hydrocarbons	486.5	438.9	443.7	467.9	538.7	654.3	618.1	486.4	462.5	496.7
Agrifoods industries	470.5	498.3	512.7	532.5	546.0	541.4	560.8	567.4	576.7	585.0
Other manufacturing industries	594.0	614.2	633.7	647.7	654.3	662.2	677.4	672.9	679.1	708.0
Secondary sector	2,029.9	2,032.7	2,083.1	2,165.2	2,298.7	2,450.0	2,485.5	2,367.9	2,385.5	2,476.0

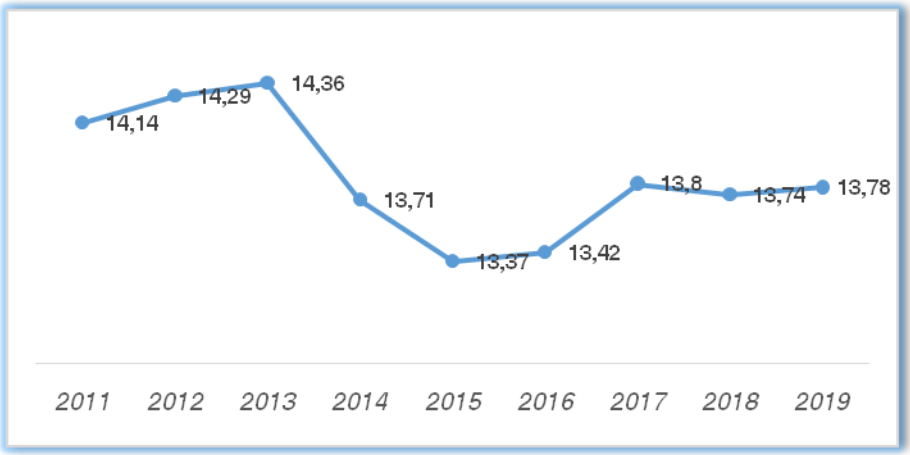
Source: NIS, National accounts

Table 70 : *Turnover, value added, value added rate in 2017 by size of the industry*

	Turnover achieved in 2017 (in thousandCFA francs)	Value added in 2017 (in thousandCFA francs)	Of which for export	Value added rate	Export rate
VSI	2,138,185	1,705,169	0	19.40	0.00
SI	42,348,008	7,951,840	934,114	18.78	2.21
MI	196,696,446	26,165,094	15,628,129	13.30	7.95
LI	5,204,418,168	615,426,448	437,538,913	11.83	8.41
Total	5,445,467,791	651,681,568	454,101,156	11.97	8.34

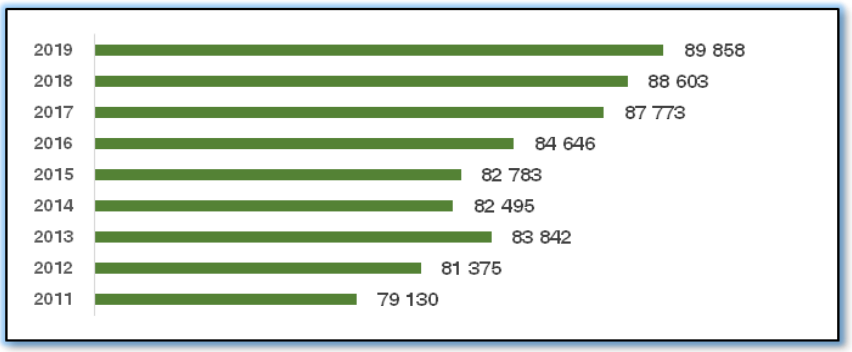
Source: NIS/*EAE* 2018

Graph 13: *Changes in the value added of the manufacturing industry as a proportion of GDP (in%)*



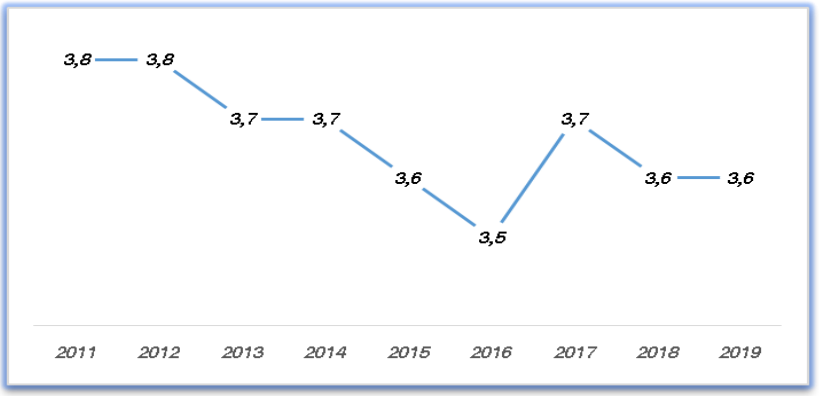
Source: NIS, National accounts

Graph 14: *Changes invalue added per inhabitant (in CFA francs)*



Source: NIS, National Accounts

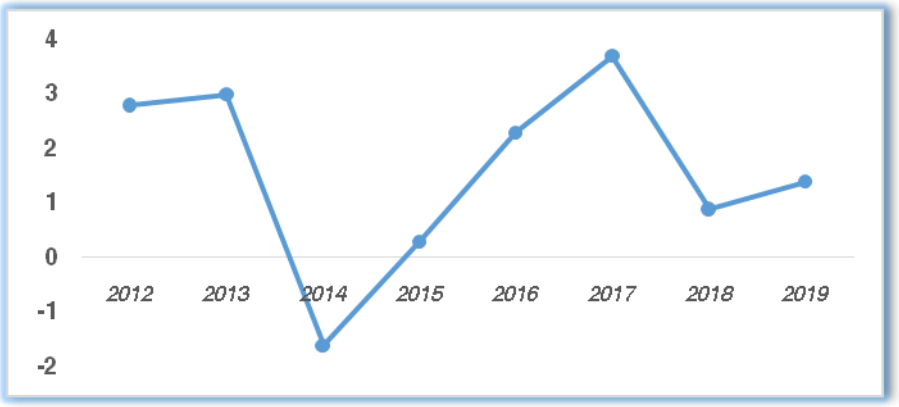
Graph 15: *Changes in the percentage of value added of medium and high technology sectors in total value added*



Source: NIS, National accounts

5.3. Contributions to Gross Domestic Product

Graph 16: Changes in the growth rate of GDP per capita (in%)



Source: NIS/National Accounts

Table 71 : *Contribution of activity sectors to real GDP growth (in%)*

Sector	2015	2016	2017	2018
Primary sector	0.7	0.7	0.4	0.7
Secondary sector	2.5	1.0	0.3	08
Tertiary sector	1.8	2.6	2.3	2.3

Source: NIS/National accounts

Table 72 : *Changes in the contribution of industrial enterprises to GDP (in%) by branch of activity*

	2015	2016	2017	2018	2019
Extraction	1.5	-0.2	-1.1	-0.1	0.4
Of which hydrocarbon extraction	1.5	-0.3	-1.1	-0.1	
Agrifoods industries of which	0.1	0.3	0.5	0.3	
Food, drink and tobacco	*0.1*	*0.3*	*0.4*	*0.2*	*0.2*
Textiles, clothing, leathers and shoes	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
Wood, paper, printing and publishing	*0.2*	*0.1*	*0.0*	*0.1*	*0.2*
Chemicals, petroleum refining, rubber and plastics	*0.1*	*0.0*	*0.1*	*-0.1*	*0.1*
Building materials, metallurgy and foundry	*0.0*	*0.0*	*0.1*	*0.0*	*0.0*
Metal works, electrical appliances and transport equipment	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Other manufacturing industries	0.0	0.1	0.1	0.0	0.1
Electricity, water and gas	0.1	0.0	0.1	0.0	0.0
Construction	0.4	0.5	0.5	0.4	0.3
Total	**2.4**	**0.9**	**0.3**	**0.8**	**1.2**

Source: NIS/National Accounts

Table 73 : *Changes in the contribution of the mining, industry and technological development sub-sector to GDP (in percentage)*

	2012	2013	2014	2015	2016	2017	2018	2019
Mining contribution (extraction of energy products included)	0.2	0.5	0.8	1.5	-0.2	-1.1	-0.1	0.4
Industry contribution	1.0	1.3	1.0	2.0	0.4	-0.2	0.4	1.0

Source:NIS, National Accounts

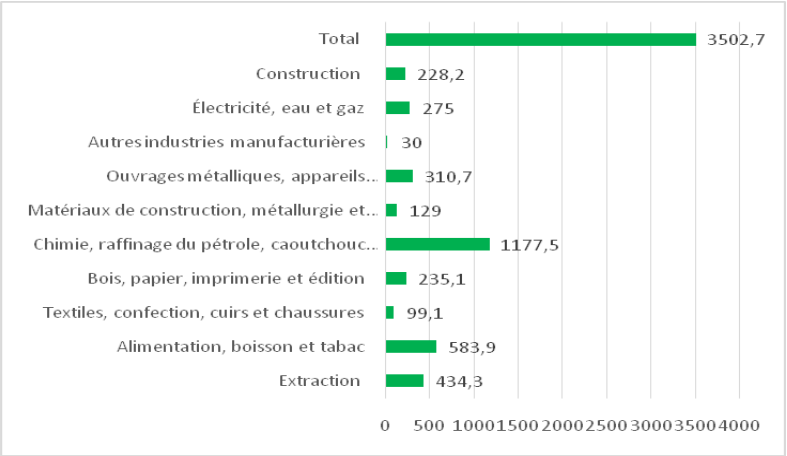
5.4. Sector revenues

Table 74 : *Changes in turnover (in thousandCFA francs) by branch of activity*

	2017	2018
Extractive industry	311,95,417	233,737,246
Food industry	2,502,189,243	1,158,397,088
Textile industry	29,484,722	15,993,964
Wood industry	129,097,521	125 032 996
Paper Industry and Printing	43,481,377	54,577,539
Oil industry	713,526,554	638,437,624
Chemical industry	134,660,410	103,979,647
Production and distribution of electricity, water and gas	465,027,538	293,875,814
Other industry	644,225,510	659,367,499
Construction	471,817,500	728,088,752
Total	**5,445,467,791**	**4,011,488,167**

Source: NIS

Graph 17: *Turnover (in billionCFA francs) by branch of activity in 2009*



Source: NIS/RGE2009

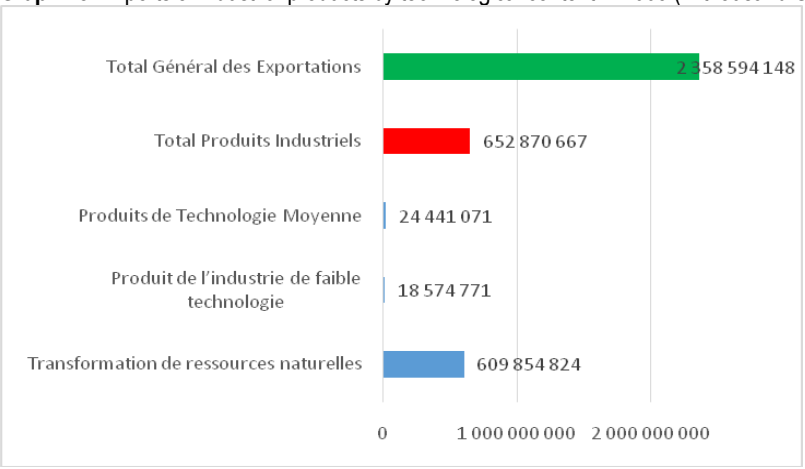
Table 75 : *Changes in income from exports (in billionCFA francs) by branch of activity*

	2017	2018
Extraction	212,691,196	232,152,372
Food, drink and tobacco	35,555	212,691,196
Textiles, clothing, leathers and shoes	46,275,791	35,555
Wood, paper, printing and publishing	1,823,199	46,275,791
Chemicals, petroleum refining, rubber and plastics	40590,186	1,823,199
Building materials, metallurgy and foundry	22,649,225	40,590,186
Metal works, electrical appliances and transport equipment	15,549	22,649,225
Other manufacturing industries	159,783,898	15,549
Electricity, water and gas	...	159,783,898
Construction	716,016,971	...
Total	**1,199,881,570**	**716,016,971**

Source: NIS/EAE

5.5. Trade in mining, industrial and technological products

Graph 18: Exports of industrial products by technological content in 2009 (in thousand CFA francs)



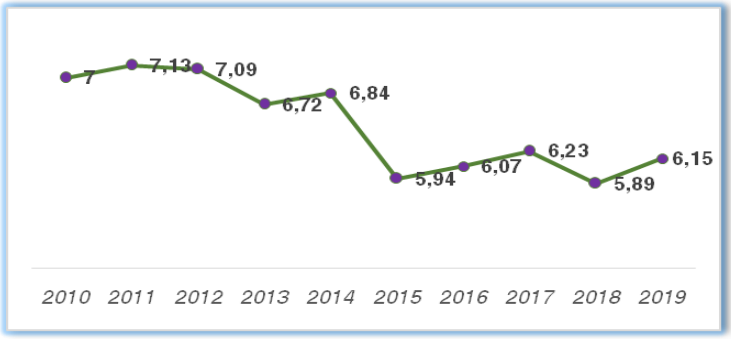
Source: NIS/DES

Processing of Natural Resources, Meat/fruit preparations, wood products, vegetable oil, petroleum products, cement, etc.

Low Technology Products, textiles, clothing, footwear and leather, metal structures, etc.

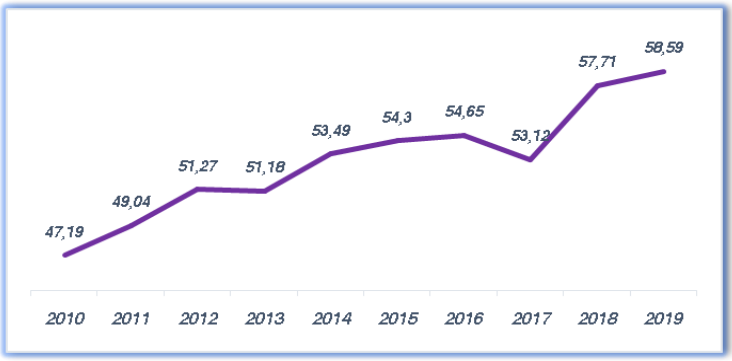
Medium Technology Products, Vehicles and spare parts, motorcycles, synthetic fibers, chemicals, plastics, engine and industrial machinery, etc.

Graph 19: Changes (in %) in the share of exports of manufactured products in GDP



Source: NIS/National accounts

Graph 20: Changes (in%) of the share of imports of manufactured products in imports



Source: NIS, National accounts

5.6. Jobs and wage bill

Table 76 : *Changes in the number of employees by branch of activity and sex*

	2009		2016	
	Total	**Women**	**Total**	**Women**
Extraction	1,162	209	2,231	611
Food, drink and tobacco	19,447	4,239	23 280	8,254
Other manufacturing industries	49,993	10,150	84,465	34,710
Electricity, water and gas	8,530	2,152	8,512	3,313
Construction	8,757	1,368	12,942	3,903
Total	**87,889**	**18,118**	**131,430**	**50,791**

Source: NIS, RGE 1 & RGE2

Table 77 : *Changes in the number of employees of formal industrial enterprises by branch of activity*

	2015	2016	2017	2018
Extraction	2,204	1,978	2,428	656 *
Food, drink and tobacco	26,809	29,207	27,085	37,589
Other manufacturing industries	33,449	33,760	32,821	39,045
Electricity, water and gas	10,402	9,930	10,372	7,620
Construction	14,168	19,167	22,081	...
Total	**87,033**	**94,041**	**94,786**	**84,910**

Source: NIS, *DSF*

** Extraction of hydrocarbons not included*

Table 78 : *Changes in the number of employees by sub-sector of activity between 2017 and 2018*

	Permanent staff in 2017	Permanent female staff in 2017	Permanent staff in 2018	Permanent female staff in 2018
Extractive industry	2,483	581	12,907	4,731
Food industry	34,268	4,972	39,022	6,537
Textile industry	1,517	301	1,387	380
Wood industry	8,012	545	7,497	452
Paper Industry and Printing	2,622	361	6,622	991
Oil industry	1,090	133	766	95
Chemical industry	4,280	433	2 319	416
Production and distribution of electricity, water and gas	12,950	1,848	22,539	4,691
Other industry	19,720	2,779	12,922	1,946
Construction	20,443	1,933	23,381	1,263
Total	**107,385**	**13,886**	**129,362**	**21,502**

Source: NIS, *EAE*

Some concepts and definitions

Industrial risk: Is defined as an accidental event occurring on an industrial site involving hazardous materials and/or processes and resulting in immediate serious consequences for staff, residents, property and the environment.

Authorization for artisanal mining: Legal instrument which confer on its holder the exclusive right to carry out artisanal mining work within the allocated perimeter.

Mining craftsman: An adult natural person, of Cameroonian nationality, carrying out an artisanal mining activity on his own behalf and having a mining craftsman card.

Purchasing office: Enterprise incorporated under Cameroonian law, approved and specialized in the purchase, import and export of precious or semi-precious stones and metals.

Quarry: Scope of operation of construction materials or industrial minerals, phosphates and nitrates and dedicated facilities.

Craft quarry: Scope of operation of quarry substances by manual and traditional methods and processes, not involving the use of explosives.

Mining convention: Partnership contract between the State and the holder of a research permit, defining the provisions relating to the development and operation of a mining discovery, including site closure and restoration operations.

Proportional royalties: Ad valorem tax on mining substances and the extraction tax on quarry substances.

Classified establishment: Is an establishment which presents or may present either dangers for health, safety, public sanitation, agriculture, nature and the environment in general, or inconveniences for the convenience of the neighborhood.

1st class establishments: Are those whose operation can only be authorized on condition that measures are taken to prevent the dangers or inconveniences.

2nd class establishments: Are those which do not present significant dangers and disadvantages for the interests, but are nevertheless subject to general requirements aimed at ensuring the protection of these interests.

Artisanal operation: Operation whose activities consist in extracting and concentrating mineral substances and recovering market products using traditional methods and processes.

Semi-mechanized operation: Mining operation carried out under an authorization for semi-mechanized artisanal operation of precious and semi-precious substances which uses at most three (03) excavators (mechanical shovels), a loader shovel and possibly other equipment such as the washing machine for mineralized gravel or concentration of mining products, the use of chemicals whose treatment is strictly prohibited.

Industrial operation: Operation based on the prior discovery of a commercially operatable deposit, having the necessary fixed facilities for a recovery, in the rules of the art, the mineral substances operated by industrial processes.

Industry: Is the set of economic activities whose objective is the processing of natural resources into semi-finished or finished products.

Establishments classified as industrial: Are 1st class establishments.

Index: Certain information, directly controlled, of the existence at a given point of a mineralization.

Ore: Potentially operatable mineral substance in liquid, solid or gaseous form which occurs naturally on or under the earth, with the exception of water and petroleum.

Mining royalty: Amount taken at the time of the first sale and the amount of which is due to the State or to national sectoral institutions, for the value of the production on the mine floor.

Surface royalty: Amount due annually by the holders of mining titles, quarrying authorizations and permits and mineral water operating permits in return for the area occupied by the activity they carry out.

Reserve: Part of the measured and indicated resources that can be operated economically under market conditions at the time of the estimate.

Proven mining reserve: Economically operatable part of the indicated resources and in certain cases of the measured resources demonstrated by a feasibility study.

Ad-valorem tax: Amount due to the State or to national sectoral institutions, for the value of the production on the mine floor of mining products and spring water, mineral and thermo-mineral water, and geothermal deposits.

Extraction tax: Amount due to the State or national sectoral institutions, for the production value of substances from commercial artisanal quarries, semi-mechanized artisanal quarries and industrial quarries.

Research permit: Legal instrument which confers on its holder the exclusive right to carry out research work within the perimeter of the permit.

Operating permit: Legal instrument which confers on its holder the exclusive right to carry out the operation works within the perimeter of the permit.

Recognition permit : Legal instrument which confers on its holder:

- the non-exclusive and non-transferable right to conduct reconnaissance operations within the perimeter of the permit;
- the right to access the reconnaissance perimeter and to erect, subject to compliance with the land, forestry and state legislation in force, facilities intended exclusively for reconnaissance work.

Mineral substance: Amorphous or crystalline natural substances, solid, liquid or gas, as well as fossilized organic substances and geothermal deposits.

Quarry substance: Construction materials or industrial minerals mined by excavation or otherwise, for the purpose of supplying materials for construction, commerce or industry.

Editorial team

General supervision

Mr. DODO NDOKE Gabriel	Minister of Mines, Industry and Technological Development

General coordination

1.	Mr. ALI OUMAR	Secretary General of MINMIDT
2.	Mr. TEDOU Joseph	Director General of the NIS
3.	Mr. SHE ETOUNDI Joseph Guy Benjamin	Deputy Director General of the NIS

Technical coordination

1. OKOUDA Barnabe, Head of Department of Coordination and Research /NIS, Technical Coordinator
2. NDIGWA Jean Vincent, Head of Division of Project Studies and Foresight/MINMIDT, Deputy Technical Coordinator
3. ABANDA Ambroise, Head of Division of Statistical Coordination/NIS, Deputy Technical Coordinator
4. ESSAMBE BOME Vincent Ledoux, Research Officer at the Department of Coordination and Research/NIS, Deputy Technical Coordinator

Technical team members

1. KANA Christophe, D2/DCR/NIS
2. NCHARE Ahmadou, MINMIDT
3. TATSINKOU Christophe, DCR/NIS
4. TCHAMAGO KOUEDEU Olivier, DCR/NIS
5. TCHOMTHE Séverin, DCR/NIS
6. ALOGO SAMBA Jean Saturnin, DIN/NIS
7. ANOUKOHSSA Madi Nicole, CJ/NIS
8. DZOUNDA FOMANO Arnaud, CTI/NIS
9. SABEKOP BEHALAL, CCR/NIS
10. TALLA Jacques, DCR/NIS
11. KAMGAING YOUGBISSI Leonie, DCR/ NIS
12. TIOBO'O PAPOU Sédric, DCR/NIS
13. DJEUKWI Vicky Laure, DCR/NIS
14. MAVASSI BIBANGA Fabien, DCR/NIS
15. FOTIO Alan Hermann, DCR/NIS
16. NGAH Adele, DCR/NIS
17. MODOU SANDA, DCR/NIS
18. CHOUNDONG JIOFACK Diane, DIN/NIS
19. ETCHOUKEM Barnabé Joël, DAF/NIS
20. MBENTY Jacqueline, DCR/NIS
21. BABOULOUL Jean Roger, DCR/NIS
22. AKOOH Adrien, DEPCO
23. ATANGANA Stéphane Dimitri, CAPAM
24. DAKOLE Arsène Baizoumi, DAG/MINMIDT
25. EBENE Charles, MAGZI
26. ETONG Salomon, SIGIPES Unit/MINMIDT
27. EZANE YEDIE Valentin, MINMIDT/DRC
28. HACHIMI Flaubert, SG/Follow-up Unit
29. KENFACK SODJO Alain Yves, DEPCO
30. ENGOLO Georges Armand, DEPCO
31. KONGO Calvin Delamontagne, DEPCO
32. MAMIA NDONGO Walter, DDQ
33. MANKOOH NGUM, DDTPI/MINMIDT
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47. OKANG NDOLO EKANEY, SNI
48. ANDJONGO Jean Pierre, DM/MINMIDT
49. MBAIZOUMI DABOLE Arsène, DAG
50. MEBENGA ETOUNDI, CAPAM
51. PENAYE Joseph, PRECASEM

Translation team

1. DZOUNDA FOMANO Arnaud, CTI/NIS
2. GUEMO KITIO Claudin Ford, DSE/NIS
3. DJIALEU Eric Lambert, DSE/NIS
4. ESSAMBE BOME Vincent Ledoux, DCR/NIS
5. MBO MINO Edwige Sara, DAF/NIS

Data collectors

No.	Last name and first name	Collection region
1.	MADI Ali	Adamawa
2.	MVOGO ESSOMBA Hervé Roger	
3.	LOA MENKABA Anicet	Centre
4.	EZANE YEDIE Valentin	
5.	ENGOLO Georges Armand	
6.	ZEMBES Olivier	
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