

## 1.0 INTRODUCTION

The Ministry of Mines and Steel Development came into being following the merger of the Ministry of Solid Minerals Development with the Steel arm of the Ministry of Power and Steel in 2005.

### 1.1 VISION

Facilitate the transformation of the Nigerian Minerals and Metals sector for sustainable Industrial Growth and Economic Surplus

### 1.2 MISSION

To exploit the nation's mineral endowments in an environmentally sustainable manner and establish a vibrant minerals and metals industry for wealth creation, poverty reduction, promotion of economic growth and significant contribution to the GDP of Nigeria.

## 2.0 MANDATES OF THE MINISTRY

The core mandates of the Ministry of Mines and Steel Development are as follows:

- ▶ Ensure the orderly and sustainable development of Nigeria's mineral resources;
- ▶ Develop the metals sub-sector to contribute to the industrialization of the nation;
- ▶ Create an enabling environment for private investment, both foreign and domestic by providing adequate infrastructure for mining activities and identify areas where government intervention is desirable in achieving policy goals and proper perspective in mineral resources development
- ▶ Accelerate the development of technical and professional manpower required in the minerals and metals sector;
- ▶ Provide information and knowledge for enhancing investment in the sector;
- ▶ Generate revenue for Government through collection of fees, royalties, taxes, etc.
- ▶ Develop the minerals and metals sector into a job and wealth creating sector of the economy.

### 3.0 POLICY THRUST OF THE SECTOR

THRUST	DETAILS
<b>Value Addition</b>	The availability of Mineral resources alone cannot drive the solid minerals sector of Nigeria. The ability of stakeholders to exploit and market the products to the overall economic benefit of the country is very essential. Universal best practices involve value addition through processing and testing to produce a commercially desired product in an environmentally friendly manner.
<b>Import Substitution</b>	Facilitate local production of industrial raw materials resulting in substantial import substitution for industry raw materials in the medium and long term.
<b>Substantial Job Creation</b>	Provide gainful employment, create wealth and stem rural-urban migration.
<b>Promotion of modern Mining practices</b>	Strategically shift from the current low level technology mining to modernized mining, processing and extraction of solid minerals by promoting private sector linkages with major international mining organizations and participation in international conferences and exhibitions.
<b>Natural Resources Conservation</b>	Encourage sustainable mining practices.

<b>Visibility of Private Sector</b>	<ul style="list-style-type: none"> <li>▪ Appropriate environment will be provided to attract private sector engagement</li> <li>▪ As sources of enterprise initiatives to drive the implementation process</li> <li>▪ In partnership with Government in executing programmes of infrastructure development through public private partnerships (PPP)</li> <li>▪ As service providers in the delivery of services including extension services, credit provision, etc.</li> </ul>
<b>Backward Integration</b>	Ensure adequate linkages between the existing Artisanal and Small Scale Miners and the expected medium and large scale mining investors
<b>Participative Policy Process</b>	<p>The design and implementation process shall be all-inclusive and fully participatory. The stakeholders shall include the following:</p> <ul style="list-style-type: none"> <li>▪ Traditional Councils and Communities</li> <li>▪ Artisanal and Small Scale Operators</li> <li>▪ Medium and Large Scale Operators</li> <li>▪ States and Local Government Councils</li> <li>▪ National Assembly</li> <li>▪ Relevant Government Agencies and Parastatals</li> <li>▪ Organized Private Sector</li> <li>▪ Financial Institutions</li> <li>▪ Professional Bodies and Associations</li> <li>Academia.</li> </ul>
<b>Investment in Geo-Sciences Data</b>	Continue to provide geosciences information for economic, social and environmental development of the country.
<b>Transparency in granting of Mining Titles and Permits</b>	Transparent administration of mining titles on a “first come first served” and “use it or lose it” basis.

<b>Ensuring Benefits Streams for Communities</b>	Ensuring a well-documented Community Development Agreement (CDAs)
<b>Conducive Macroeconomic Environment</b>	Facilitate the provision of appropriate social and economic policies by FGN to attract private investment and promote trade.
<b>Manpower Development</b>	Key institutions in the sector to develop educational curriculum enriched with the requisite technical content that would meet the challenges of the industry.
<b>Development of Infrastructural Facilities</b>	Facilitate the development of very much needed infrastructural facilities in mineral rich areas that mostly fall in rural areas.

## **4.0 STRUCTURE OF THE MINISTRY**

The Ministry is structured into thirteen (13) Departments, seven (7) Units and ten (10) Agencies which carry out the day-to-day execution of Government policies in the Minerals and Metals Sector.

### **4.1 Departments:**

- i. Mines Inspectorate
- ii. Steel and Non Ferrous Metals
- iii. Metallurgical Inspectorate and Raw Material Development
- iv. Artisanal and Small-Scale Mining
- v. Mines Environmental Compliance
- vi. Planning, Research and Statistics
- vii. Finance and Accounts
- viii. Human Resources Management
- ix. Procurement
- x. General Services
- xi. Special Duties,
- xii. Investment Promotion and Minerals Trade, and
- xiii. Reforms and Co-ordination.

## **4.2 The Units:**

- i. Legal Unit
- ii. Press and Public Relations Unit
- iii. Internal Audit

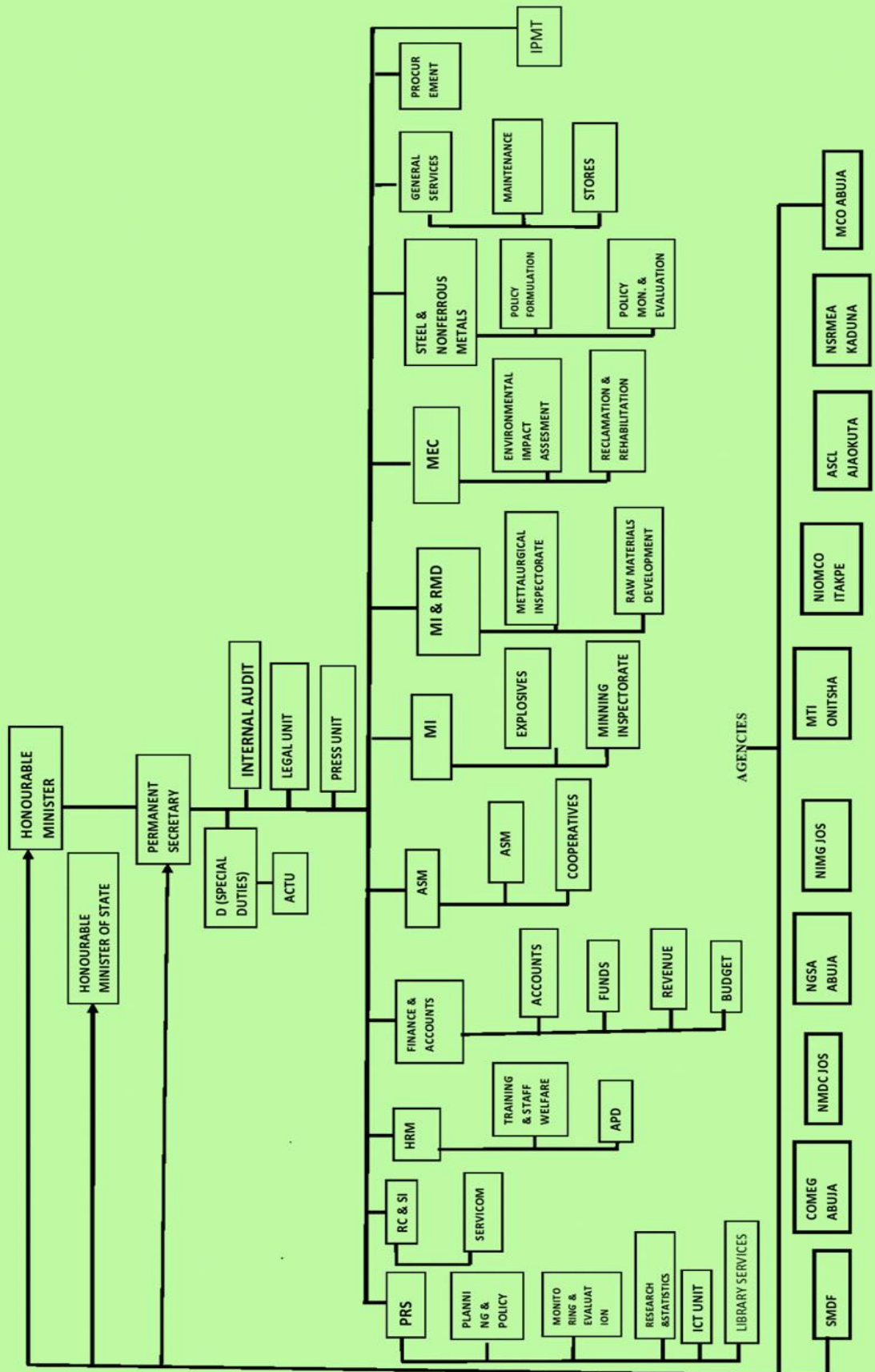
## **4.3 Agencies under the Supervision of the Ministry:**

- i. Nigerian Geological Survey Agency, Abuja
- ii. National Metallurgical Development Centre, Jos
- iii. National Steel Raw Materials Exploration Agency, Kaduna
- iv. Nigeria Institute of Mining and Geosciences, Jos
- v. Ajaokuta Steel Company Limited, Ajaokuta
- vi. National Iron Ore Mining Company, Itakpe
- vii. Council for Mining Engineers and Geoscientists of Nigeria
- viii. Metallurgical Training Institute, Onitsha
- ix. Mining Cadastral Office, Abuja, and
- x. Solid Minerals Development Fund, Abuja

## **4.4 STAFF STRENGTH OF THE MINISTRY**

The Ministry of Mines and Steel Development has total staff strength of Seven Hundred and Sixty-Nine (779), cutting across various cadres as at 2019.

THE MINISTRY'S ORGANOGRAM



**PROGRAMMES AND  
ACTIVITIES  
IMPLEMENTED BY  
DEPARTMENTS/UNITS**

## 1.0 MINES ENVIRONMENTAL COMPLIANCE (MEC) DEPARTMENT

The Mines Environmental Department has the mandate of enforcing compliance in mineral resource development in Nigeria. To achieve this, the department carries out the following activities:

- Co-ordination of the activities of State Mineral Resources and Environmental Management Committee (MIREMCO).
- Review of all Plans, Studies, and Reports submitted by Mineral Title Holders.
- Community Development Agreement (CDA) Issues.
- Joint review of Environmental Impact Assessment (EIA) of Mining Projects in collaboration with Federal Ministry of Environment.
- Review of Environmental Protection & Rehabilitation Program (EP&RP)
- Coordination of Environmental Protection & Rehabilitation Fund (EPRF).
- Reclamation of abandoned mine sites programme.
- Review of mines closure/decommissioning plans.
- Field Monitoring and Environmental Auditing
- Review of Annual Reclamation Statements and
- Review of Fuel Storage Plans by Mineral Title Holders

### 1.1 RECLAMATION OF ABANDONED MINES

Reclamations of some high risk abandoned mines, which were captured in the 2018 capital project but were not executed due to non-release of full capital vote were executed in the first half of the year. The Barikin Ladi, Plateau State and Kogi State project site have been fully reclaimed, while Ray field has progressed to 75%. Another 2 abandoned mine sites in Jigawa State and BarkiLadi town in Plateau State were also reclaimed and funded from the intervention fund.

### 1.2 REVALIDATION OF THE INVENTORY OF ABANDONED MINE SITES

Revalidation exercise aimed at updating the already existing inventory of abandoned mine sites was carried out in the month of March and November, 2019. So far, revalidation exercise has been successfully conducted in all the States of the Federation.

### 1.3 COMMUNITY DEVELOPMENT AGREEMENT (CDA)

The provision of the CDA guidelines to operators led to increased numbers of approvals. During the period under review 34 CDAs were approved. This has



improved the relationship between Mining operators and their respective host communities resulting in reduced conflicts and youth's restiveness.

#### **1.4 ENVIRONMENTAL PROTECTION AND REHABILITATION PROGRAMME (EPRP)**

During the period under review, 63 Environmental Protection and Rehabilitation Programme (EPRP) Reports were approved. This has helped as a tool to monitor compliance with environmental regulations in the sector.

#### **1.5 FUEL STORAGE PLAN (FSP)**

Plan is in progress to produce the guidelines for the Fuel Storage Plan (FSP). This will facilitate compliance by Mineral Title Holders (MTH) to the requirement on FSP.

#### **1.6 ENVIRONMENTAL IMPACT ASSESSMENT (EIA) PROCESSES**

During the Year 2019, the Department in collaboration with the Federal Ministry of Environment participated in the following activities:

- a. 14 Site Verification Exercises.
- b. 4 Impacts Mitigation Monitoring (IMM).
- c. About 10 Panel Review Exercises.

#### **1.7 STATE MINERAL RESOURCES AND ENVIRONMENTAL MANAGEMENT COMMITTEE (MIREMCO)**

In order to fast track development of the nation's mineral resources in line with the present government agenda on diversification of economy, the Ministry has facilitated the reactivation of the MIREMCO. This includes:

- a. Resuscitation of MIREMCO in 32 states of the Federation.
- b. Mobilization of 18 States with funding in year 2019 which has boosted performance.
- c. Provision of 6 Hilux Vehicles to Ebonyi, Kwara, Abia, Niger, Ekiti and Kogi State making a total of 16 States with MIREMCO vehicles.
- d. Sensitization Programme for Mineral Title Holders and general public facilitated by MIREMCO in various States of the Federation.
- e. Resolution of seven (7) conflicts between Mineral Title Holders and Host Communities through the active involvement of MIREMCO.
- f. A total of 13 Complaints by Mineral Title Holders and Mining Host communities were also addressed during the period under review while 27 complaints are still under resolution.

## **1.9 FIELD INSPECTION REPORTS BY FIELD OFFICERS**

During the period under review, there was a tremendous improvement in the number of monthly Reports of activities rendered by State Officers from the thirty-Six States and FCT covered by MEC officers due to increased synergy, procurement and distribution of field equipment which boosted staff efficiency.

### **1.10 REDEPLOYMENTS**

Two (2) staff were redeployed from State Offices to Headquarter, one Officer (Secretary) was deployed from Mines Inspectorate Department to MEC Department, three (3) staff were deployed from MEC Department to Investment Promotion and Mineral Trade Department while two (2) staff were redeployed from headquarters to the Kogi State and Nasarawa State Offices respectively.

### **1.11 SENSITIZATION WORKSHOPS**

The Department embarked on the first phase of sensitization programme for Mineral Title Holders and Processors in Kogi, Niger, Edo and Nasarawa State. The aim of the sensitization exercise was to educate the Mineral Title Holders and Processors on environmental best practices in mining and compliance with relevant environmental obligations and requirement.

### **1.12 SOIL AND WATER QUALITY ASSESSMENT FROM ABANDONED MINE SITES**

Collection and analysis of water and soil samples around abandoned mine sites was conducted nationwide in November 2019. The aim of the exercise was to evaluate and access the critical components of the biophysical environment of the sites, socio-economic effect of the impacts of mining activities and develop appropriate strategy for the control of the pollutants around abandoned mines host communities. Field survey studied and laboratory analysis of samples have been concluded while the report is being compiled.

### **1.13 PURCHASE OF FIELD MONITORING EQUIPMENT**

To further ensure compliance by mine proponents to mine regulations, field monitoring equipment were purchased and distributed to the State Officers to further equip them for compliance monitoring and enforcement in States.

## 1.14 TRAININGS

The following local and international trainings were undergone by staff of the Department during the period under review:

- 20 staff of the Department underwent training on “Environmental Management” at Mararaba in March, 2019.
- Three Directorate Cadre staff attended training on “Productivity Improvement techniques with specific focus on Mining and Solid Minerals in Abuja, FCT.
- Five staff attended training on “Capacity Building in Mineral and Mining Sector” at South Africa.
- Two staff attended the National training workshop on reporting for the Green House Gas Inventory organised by Department of Climate Change, Federal Ministry of Environment in conjunction with UNDP.

Other workshops and conferences participated by the department include:

- 2 staff of the Department attended the International Association for Impact Assessment’s International Conference held at Brisbane in May, 2019 with the team “Evolution or Revolution: What next for Impact Assessment?”
- The Director attended a Smart-Mining Conference and Facility at Washington in May, 2019.
- 15 Staff of the Department attended a training programme on Environmental and Social Context in Health, Safety Act and Mine Closure in December, 2019 under the MinDiver Project.

## 1.15 DEPARTMENTAL RETREAT

The Department, in June 2019, organised a retreat titled “Effective Enforcement Approaches in Mines and Quarries” as part of its effort to ensure an effective environmental monitoring and compliance in mining sites.

## 1.16 DEPARTMENTAL MEETINGS

As a regular tradition to keep staff of the Department abreast of various activities in all the units and sections of the Department, quarterly meetings are held with all the staff of the Department where issues and ideas were addressed to move the Department forward. Three (3) of such meetings were held in the period under review.

### 1.17 PROPOSED PROGRAMMES FOR 2020

The following projects are proposed to be carried out in the department in Y2020:

1. Continuation of the on-going capital projects of the department from Y2019 as follows:
  - Reclamation of abandoned mine sites
2. Review of statutory environmental reports from the Mineral Title Holders e.g. additional 100 CDA; 100 EPRP; 5 Fuel Storage Plan, 300 Annual Reclamation Statement by the Mineral Title Holders.
3. Monitoring of the implementation of the approved CDAs (166 Nos.) and EPRP reports (247 Nos.).
4. Training of staff of the department both locally and internationally to ensure further strengthening of compliance enforcement of environmental requirements and obligations by Mineral Title Holders.

### 1.18 PENDING ISSUES

- i. The implementation of the framework for the establishment of the Environmental Protection and Rehabilitation Fund (EPRF) has commenced.

### 1.19 CHALLENGES

The major challenge of the Department is:

- i. Lack of adequate funding to carry out specific projects such as:
  - a. Periodic environmental auditing and compliance monitoring.
  - b. Purchase Field vehicles for the remaining resuscitated MIREMCO States.
  - c. Build Capacity of staff to enhance the enforcement monitoring of compliance by mining companies.

### 1.20 WAY FORWARD

- In view of low staff strength in the MEC Department to support expansion of field offices to cover all States of the Federation, it is suggested that more technical officers be employed and deployed to MEC Department.
- Logistic provision be given for effective performance. State Government should also be advised to support MIREMCO logistically.

- The current support to MEC Department for capacity building be sustained to boost staff proficiencies for better performance of duties.

## **2.0 METALLURGICAL INSPECTORATE & RAW MATERIALS DEVELOPMENT (MI&RMD) DEPARTMENT**

### **2.1 THE ACTIVITIES OF THE DEPARTMENT INCLUDES:**

- i. Supervision of the Agencies under the department's purview: National Steel Raw Materials Exploration Agency (NSRMEA), Kaduna; National Metallurgical Development Centre (NMDC), Jos; and National Iron Ore Mining Company (NIOMCO), Itakpe, Kogi State.
- ii. Annual Monitoring and Inspection of Metallurgical and Allied Industries across the six geopolitical zones (South-West, South-East, South-South North-Central, North-West and North-East Geopolitical zones of the Country).
- iii. Organization of the 2<sup>nd</sup> Nigerian Metallurgical Industry Stakeholders' Forum (MISF) 2019, in the South-South, South-West, and North-Central Geopolitical Zones respectively.
- iv. Capacity Building in Mineral Processing Techniques of all technical staff held in Jos, Plateau State.
- v. Implementation of the NIOMCO Modified Concession Agreement (MCA).
- vi. Processing the demobilization of M/S KOCH Nig. Ltd from NIOMCO site.
- vii. Processing the Nigerian Metallurgical Industry Bill (NMIB).
- viii. Collaboration with Raw Materials Research and Development Council (RMRDC), to promote the development and utilization of Nigeria Metallurgical Raw materials.
- ix. Participation in the Ministry Programmes and Activities.
- x. Participation in the Baseline study for metal/ steel Industry being conducted by the Mineral Sector Support for Economic Diversification (MinDiver).
- xi. Training of Technical Personnel on the operation, maintenance and servicing of metallurgical testing equipment.
- xii. Holding of regular Departmental meetings

S/N	ACTIVITIES	UPDATES
1	Supervision of the Agencies under the department purview: National Steel Raw Materials Exploration Agency (NSRMEA), Kaduna; National Metallurgical Development Centre (NMDC), Jos; and National Iron Ore Mining Company (NIOMCO), Itakpe, Kogi State.	<p>The department had effectively and modestly discharged its responsibility of supervising the Agencies under its purview in the period under review.</p> <p>Monthly, Quarterly, bi-annual and annual reports are attestation to the supervising role of the department.</p>
2	Monitoring and Inspection of Metallurgical and Allied Industries across the South-West, South-East, South-South, North-Central, North-West and North-East Geopolitical zones of the Country.	The department successfully carried out the monitoring and inspection of the metallurgical and allied industries in South-West, South-South, North-West, North-Central, North-East and South-East in collaboration with Standards Organization of Nigeria (SON).
3	Organizing of the 2 <sup>nd</sup> Nigerian Metallurgical Industry Stakeholders' Forum (MISF) 2019 (Engagement with Stakeholders') in the South-South, South-West and North-Central Geopolitical zone.	The department successfully hosted the Metallurgical Stakeholders' Engagement in the South-South, South-West and North-Central zone. The programme witnessed the inauguration of MOAN in the various zones respectively. It is envisaged that the remaining geopolitical zones will be the focus in 2019. Actionable points emanated from these fora were forwarded for deliberation at the top management forum.
4	Capacity Building in Mineral Processing Techniques of all technical staff held in Jos, Plateau State.	The training Programme was executed successfully.
5	Implementation of the NIOMCO Modified Concession Agreement (MCA).	Within the period, a committee was constituted by the Vice-President comprising representatives from the relevant (MDAs including MMSD, NIOMCO, Federal Ministry of Transportation and GINL). The committee was chaired by the Technical Adviser to the Vice-President on Infrastructure and charged with the responsibility of resolving all issues militating against the implementation of the MCA. The

		Committee had since forwarded its report to the Vice-President while other implementable actions are ongoing.
6	Demobilization of M/S KOCH Nig. Ltd. from NIOMCO site fully.	To allow for smooth implementation of the MCA, there was need to fully demobilize M/S KOCH from NIOMCO. To this end, several meetings were held in the First Quarter of 2019 with a view to resolve the issue of ownership of some properties under the custody of M/S KOCH, purchase some of the properties owned by KOCH and sign a Settlement Agreement between the parties.
7	Processing of the Nigerian Metallurgical Industry Bill (NMIB)	The NMIB had been represented to the Senate as a private Bill being sponsored by Senator T. A. Orji of Abia State. The Bill had passed through the first and second readings on the floor of the senate in the 8 <sup>th</sup> Assembly. In the First Quarter of 2019, the Ministry had been following up on developments towards the Public Hearing on the Bill.
8	Collaboration with Raw Materials Research and Development Council (RMRDC)	The Department being the representative of the Ministry at the Council is still collaborating with the RMRDC in the area of raw materials development
9	Participation in the Ministry Programmes and Activities.	The Department participates effectively in the Ministry Programmes and activities of the Ministry.
10	Participation in the Baseline study for metal/steel Industry conducted by the Mineral Sector Support for Economic Diversification (MinDiver)	In line with the government policy to diversify her economy, the department actively participated in the preliminary works/meetings on the final take-off of this laudable project, which is ongoing.
11	Specialized training on the operation, servicing and maintenance of metallurgical testing equipment.	Plans were concluded for the training of Staff on the operation, servicing and maintenance of metallurgical testing equipment.
12	Departmental meetings	Departmental meetings were held at regular intervals and when the need arose. The Minutes of every departmental meeting had been forwarded to Permanent Secretary.



## 2.2 ACHIEVEMENTS

- i. Successfully conducted Monitoring and Inspection of Metallurgical and Allied Industries in the South-West, South-South, North-West, South-East and North-Central Geopolitical zones;
- ii. Successfully carried out the Metallurgical Industry Stakeholders' Engagements in the South-South, South-West and North-Central zones of Nigeria.
- iii. Successfully trained technical staff in Mineral Processing Techniques in Jos Plateau State.
- iv. Successfully carried out Survey on Metallurgical Products and Raw Materials at Exist Routes and Local Markets in the South-West, South-South, North-West, South-East and North-Central geopolitical zones.
- v. Tactically restrained M/S KOCH Nig. Ltd. from commencing legal actions against the MMSD due to the ongoing Demobilization of the Company.

## 2.3 ONGOING PROJECTS/ACTIVITIES OF THE DEPARTMENT

- i. Procurement planning for the 2019 budget implementation as well as 2019 – 2021 MTSS.
- ii. Nation-wide Monitoring and Inspection of Metallurgical Plants and Allied Industries in collaboration with Standards Organization of Nigeria (SON)
- iii. Participation in the Baseline study for metal/steel Industry conducted by Mineral Sector Support for Economic Diversification (MinDiver).
- iv. Metallurgical Industry Stakeholders' Engagements in the South-East, and North-West geopolitical zones of Nigeria.
- v. Promotion of Research and Development in collaboration with relevant Research Institutes (NMDC, RMRMDC, FIIRO, Universities, etc.) especially in the areas of Metal Testing, Non-Destructive Testing (NDT), Failure Analysis, Chemical Analysis and Management (PBT – Persistent Bio-accumulative Toxic Chemicals), Foundry, Fabrication and Welding Technology, etc;
- vi. Training of Technical Personnel on the operation, maintenance and servicing of metallurgical testing equipment.

## 2.4 COLLABORATION WITH OTHER MDAs & ASSOCIATIONS.

- i. Collaboration with the Standards Organization of Nigeria on regulation and enforcement of standards, quality, safety controls, etc;
- ii. Collaboration with Nigeria Customs Service (NCS) with a view to periodically monitoring the movement of metallurgical raw materials and products in and out of the Country;
- iii. Collaboration with the Raw Materials Research and Development Council (RMRDC) on raw materials development.

- iv. Interfacing with the National Office for Technology Acquisition and Promotion (NOTAP) on Technological Acquisition & Skills development.

## 2.5 CHALLENGES

- i. Lack of Legal Regulatory Framework: there is need for the enactment of the Nigerian Metallurgical Industry Bill into an Act and processing of the Metallurgical Industry Operational Guidelines and Manual to empower the Department to carry out its statutory functions and regulatory roles as gazetted;
- ii. Lack of Operational and Safety Reference Materials: Need for the production, publishing and circulation of booklets/pamphlets on steel codes/standards with detailed chemical and physical properties as well as safety manuals and regulations to guide the activities of metal producers and foundry operators. With this educational materials, operational hazards and accidents would be minimized in the industry;
- iii. Non- existence of Metallurgical Inspectorate Area Offices (MIAOs) throughout the country for effective sensitization, monitoring and enforcement of regulations in the metal sector;
- iv. Inadequate vehicles for the supervision of parastatals under the purview of the Department and the routinely nationwide inspection of the metallurgical industry.

### **3.0 STEEL & NON-FERROUS METALS (S & NFM) DEPARTMENT**

The Steel and Non-Ferrous Metals Department is one of the Technical Departments in the Ministry. The Department is basically responsible for Policy Formulation, Monitoring and ensuring compliance with regulations for the growth and sustainable development of the metals industry in Nigeria. The Department keeps records of all the metals companies in the country and serves as the data base for metals information in the country.

#### **3.1 FUNCTIONS OF THE DEPARTMENT**

The major functions of the department include:

- (i) Initiating favorable policies for the growth and sustainable development of the metals sector;
- (ii) Encouraging private sector investment/participation in the operations of the metals industry in the country;
- (ii) Stimulation and Promotion of SME's in the Metals Sector;
- (iii) Monitoring and ensuring compliance by the Metal Industry operators with environmentally friendly and technically safe operations;
- (iv) Establishing and maintaining a Data management Centre for investment purposes, policy and interfacing with other MDA's;
- (v) Promoting recycling of metal scrap and regulating export of Metal scraps;
- (vi) Ensuring utilization (patronage) of local metal industry products in Nigeria;
- (vii) Attracting private investments in the development of Steel & Non-ferrous metals sub-sector of the economy;
- (viii) Supervising the activities of parastatals under its purview;
- (ix) Recommending appropriate measures to give effects to agreements entered into by the Federal Government on Steel and Non-Ferrous Metals subsector.

- (x) Initiating policies for improving infrastructural facilities around the metals industries;
- (xi) Recommending appropriate tariff on metal commodities and products.

### 3.2 IMPLEMENTATION OF 2018 AND 2019 CAPITAL PROJECTS

<b>Names of Project/Programme</b>	Stimulation and Promotion of Small and Medium Enterprises (SMEs) in the Metals Sector in Nigeria			
<b>Project Description</b>	Stimulation and Promotion of Small and Medium Enterprises (SMEs) in the mid/lower stream Metals Sector in the Six Geopolitical Zones of the Country			
<b>Activities</b>	<ul style="list-style-type: none"> <li>▪ Identification and collection of data from SMEs in the Metals Sector</li> <li>▪ Development of a compendium of SMEs identified in each zone</li> <li>▪ Provision of Extension services to SMEs in the Metal Sector (Training/Workshop)</li> <li>▪ Procurement and distribution of Safety Kit/Equipment</li> <li>▪ Hosting of seminar for identified SMEs</li> </ul>			
<b>Location(s)</b>	2018 - South South Zone - Warri, Porthacourt and Calabar 2019 - North Central Zone - Nassarawa, Niger, Benue, Kogi, Abuja and Kwara States			
<b>Project Status</b>	Completed			
<b>Project Director</b>	Engr. Olasupo M.K, Ag. Director (Steel & Non-Ferrous Metals)			
<b>Reporting Date</b>	15 <sup>th</sup> December, 2019			
<b>Planned Finish Year</b>	<b>Actual Finish Year</b>	<b>On Schedule</b>	<b>Ahead of Schedule</b>	<b>Behind Schedule</b>
2018	2019	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2019	2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>On Budget</i>				
<b>Amount Approved Budget</b>	<b>Amount Released Budget</b>	<b>On Budget</b>	<b>Under Budget</b>	<b>Over Budget</b>
N 40,000,000	N 40,000,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N 36,631,412	N 36,631,412	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

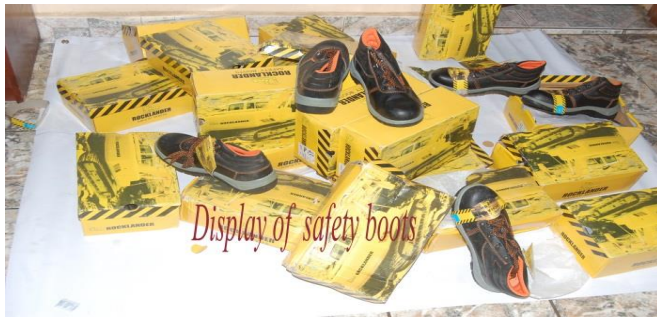
### 3.3 ACHIEVEMENTS OF THE DEPARTMENT

The Department has been able to achieve the following:

- i. Development of Compendium of Metals Producing Companies in Nigeria which is being updated regularly;
- ii. Establishment of a Bilateral Relationship with South Africa, Niger Republic, Venezuela/Bolivia and China
- iii. Recommending favorable Policies for the growth and sustainable development of the Steel and Non-Ferrous Metals sub-sector of the economy e.g. Tariff on Billets, Hot & Cold Rolled Steel Products;
- iv. Monitoring and supervision of activities of the Agencies under the Department.
- v. Achieved relative peace and industrial harmony in the Steel and Non-Ferrous Metals Industry.
- vi. Resolution of GINL indebtedness to AMCON and commencement of operations at the DSC Rolling Mills by the new core investor, Messrs. Premium Steel and Mines Limited.
- vii. Settlement of the dispute between BFIG, RUSAL and BPE on ALSCON, Ikot-Abasi and the return of the Company management to RUSAL.
- viii. Local and foreign training on Metals Identification, Categorization and Standardization for members of staff of the Department sponsored by Mindiver, Ministry of Mines and Steel Development Under the World Bank Initiative on Capacity Building.
- ix. Rehabilitation of One Line Thermal Power Plant (TPP), Rehabilitation and Provision of Accessories to the Transmission and Distribution Facilities, Rehabilitation of Some Common Facilities for the Delivery of Utilities, Rehabilitation of Some Essential Equipment Facilities at ASCL Plant Engineering Workshop, Rehabilitation of Building Workshop and Facilities at the Metallurgical Training Centre (MTC), Purchase of Prado Jeep and 2 Nos Toyota Hilux for Security and Project Administration of ASCL



### 3.4 ACTIVITIES OF STIMULATION AND PROMOTION OF SMALL AND MEDIUM ENTERPRISES (SMES) IN THE METALS SECTOR IN NIGERIA



Cross Session of Safety Kit/Equipment for SMEs in the Metal Sector (South South and North Central Zones)





Cross Section of Participants at the Workshop/Training for the SMEs Clusters in Geopolitical Zones



Presentation of Safety Kit Items to the SMEs in the Metals Sector





Fabrication of Cassava Processing Machine and Palm Oil Steam Boiler by the SMEs in the Metals Sector



Identification, Collection of data and Sensitization Exercise of the SMEs Operators in the different Geopolitical Zones in the Metals Sector



## 4.0 ARTISANAL AND SMALL SCALE MINING (ASM), DEPARTMENT

### 4.1 ACTIVITIES OF THE DEPARTMENT

The activities of the Department include:

#### ➤ **Formalization of Artisanal Miners into Cooperatives.**

Artisanal and Small-Scale Miners operate informally using simple tools like shovels, hammers, chisels, diggers, etc. Their activities are mostly unorganized, unmonitored, uncontrolled, unsupported and the practice is neither environmental compliant nor conscious of health and safety issues. However, their operations currently produce the bulk of Nigeria's solid mineral resources for local and export markets. Artisanal mining is now recognized in Nigeria as one of rural livelihoods with great potential for poverty alleviation. The Federal Government of Nigeria through the Artisanal and Small-scale Mining (ASM) Department in the Ministry of Mines and Steel Development has successfully organized most of the artisanal miners into cooperatives societies:

- Presently, there are 1,346 mining cooperatives operating across the country.
- Each of the 1,346 mining cooperatives comprises of not less than 10 members; with not less than additional 20 mine workers. In other words, together with the cooperative members and their employees, government has facilitated the creation of more than 50, 000 jobs through the programme.
- The verified mining cooperatives receive support from government in the form of social incentives through extension services delivery and other technical assistance such as credit facilities as provided by the Bank of Industry to qualified cooperatives.

#### ➤ **Delivery of Extension Service Programme to Formalized Mining Cooperatives**

The Department through the Ministry engages consultants to deliver extension services to formalized artisanal mining cooperatives and small-scale mining companies. Since, 2011 the department facilitated the training of these cooperatives spread across the six geopolitical zones in the country on various areas such as appropriate techniques in mineral processing, safer mining methods, occupational health and safety in mines, mineral exploration skills and so on.

- Provision of extension services to registered and performing mining cooperatives as a statutory function of the department is carried out annually.
- Facilitated the training of over 500 formalized artisanal miners across the country.
- Distributed over 500 safety gears to artisanal miners of registered cooperatives.

- In addition, the department conducted 6 outreach programmes where staff go to mining communities to engage women and children on issues bordering on dangers of use of child labour in mining operations.

➤ **Registration of Mineral Buying Centres**

In line with government's policy to encourage investors to establish private sector driven economy which led to the privatization of several governments' corporations, the Ministry disengaged from direct participation in mining and mineral marketing. To this end, the department facilitated government policy on establishment of Private Mineral Buying Centre. As at 2019, there were 289 certified and active PMBCs.

➤ **Safer Mining Programme**

The Safer Mining Project was originally conceived as an approach to bring immediate cessation of deaths occasioned by the lead poisoning emergency and prevent further occurrences of such case in Zamfara State in 2010. The department through the safer mining programmes has conducted series of sensitization activities to enlighten miners on the dangers of unwholesome practices in mining. Under the programme, the department:

The Ministry has awarded a contract for:

- The establishment of a Safer Mining Techniques Centre for Precious Metals and Industrial Metals (Tin) in Kaduna State.
- The construction of Community Mineral Resource Center (CMRC) in Ajaokuta LGA.
- The Construction of Minerals Resource Centre in Niger state.
- The Construction of a gold ore processing centres in Osun state.

➤ **Eliminating Child Labour Through Empowerment.**

Mining sector can bring many positive development impacts to the communities involved, but also have the potential to create or exacerbate vulnerabilities within these communities. Benefits and risks are often evaluated and measured at the community level, with little examination of the different impacts on men and women. In fact, evidence suggests that a gender bias exists in the distribution of risks and benefits in the extractive industry's projects: benefits accrue to men in the form of employment and compensation, while the costs, such as family and social disruption, and environmental degradation, fall most heavily on women.

The assertion above is evident in the Nigeria's mining sector where women and children are especially active at the artisanal and small-scale level. In order to address the negative externalities impacting on the vulnerable groups including especially women and children within the mining communities, the Ministry through the ASM

department has been championing the course of gender mainstreaming and inclusiveness in the Nigeria's mining sector through various projects.

Evidences from the gender mainstreaming activities performed in 2018 in three communities (Gadoko Niger state, Ibodi Osun state and Umuoghara Ebonyi state) showed that women and children are critically trapped in a vicious poverty cycle due to poor knowledge of mining and mineral processing skills; dilapidated educational facilities that dissuade children from attending formal school and poor occupational health and safety are common sights in mining host communities.

Activities carried out under the project which started in January 2019 and completed in June 2019 include:

- Renovation of one primary school in Gadoko community Niger state.
- Built 4-unit toilet facilities for the school in Gadoko community Niger state.
- Constructed a borehole for the school in Gadoko community Niger state.
- Constructed 40 units' classroom furniture for the school in Gadoko community Niger state.
- Provided 100 women miners each with Personal Protection Equipment in Gadoko community Niger state and Emiwooro community in Kogi state.
- Provided 100 women miners each with simple mining working tools in Gadoko community Niger state and Emiwooro community Kogi state.

Outcome of the project include:

- Awareness creation of the dangers of child labour engagement in mining, which resulted to drastic drop in the number of children involved in mining activities in the two communities.
  - Persistent increase in children enrolment improved and many women miners having more time to care for their children as time spent at mines reduced due to improved working tools.
  - Improved livelihoods of female miners were recorded as more women have access to hygiene and sanitary facilities and improve income due to rise in productivity.
- **Enabling activities for National Action Plan (NAP) on Mercury in the Artisanal and Small-scale Gold Mining (ASGM) Sector in Nigeria.**

The department coordinated the execution of fieldwork as part of enabling activities for the development of NAP on Mercury in the Nigeria's ASGM Sector. The contract for the execution of enabling activities for NAP on Mercury in the ASGM Sector in Nigeria was signed in March 2017. On the 26<sup>th</sup> May to 8<sup>th</sup> June 2019, the department

embarked on 2<sup>nd</sup> fieldwork activities in Osun State. The exercise is aimed to collect data for the analysis of ASGM in the country.

The fieldwork for the enabling activities for a National Action Plan (NAP) on mercury in the Artisanal and Small-scale Gold Mining (ASGM) Sector in Nigeria was carried out from 26<sup>th</sup> May to 8<sup>th</sup> June 2019 in Osun State, South Western Nigeria.

The research team used focus group discussions, interviews, observation techniques and questionnaires as research instrument. Those interviewed includes four gold dealers, 4 gold dealer's agents, 2 landowners, State government official and 1 supervisor of a small-scale gold mining firm. A total of 152 questionnaires were administered to artisanal gold miners across 34 artisanal and small-scale gold mining sites spread across the 7seven-gold producing Local Government Areas in the State. On average of 5 questionnaires were administered per site.

To assess the mercury and gold production, the team used "earning based estimate" as opposed to "extraction-based estimate" as provided by Artisanal Gold Council. The use of "earning based estimate" was informed by the lack of knowledge by the miners regarding the quantity of gold ore they excavate from respective shafts. Based on the foregoing, the followings were determined at each site:

- a. Miner income per day
- b. Working days per year
- c. Average gold spot price over the years; and
- d. Miners per shaft and total number of shafts.

Results from the exercise indicated that mercury use amongst the artisanal miners in Osun State is nonexistent due to the type of gold deposits that are being mined. However, there is every possibility that artisanal miners could copy the use of mercury from the mechanized Chinese miners who have been reported to have been using the substance if in their view, it will help them recover more gold from the ore. About 750cm<sup>3</sup> of mercury is reported to be used on site every 3 days in one sluice box. This quantity translates to a 7,500cm<sup>3</sup> (750cm<sup>3</sup> × 30/3) of mercury being discharged into the environment monthly. This postulated to a yearly discharge of 90,000cm<sup>3</sup> (7500 × 12) cm<sup>3</sup> of mercury being discharged into the environment. The figures were calculated for one site, however, six of such small-scale mining locations were visited. Of the six, three of the firms were actively mining and processing, while the three have been abandoned without any form of rehabilitations.

It is estimated that about 1509.30g of gold is produced in all the artisanal mining sites on daily basis. The average price of gold in the State was found to be N9,461.54 (\$26.28). The average daily value of gold produced and sold to the agents from the

artisanal mining sites is N14,280,302.32 (\$39,667.51). If this is extrapolated to 241 artisanal mining peak period which normally ranges from November to June, the approximate annual gold production value was found to be N3,441,552,859.12 (\$9,559,869.05) which is equivalent to about 363,741.30g (363.70kg) of gold.

Artisanal Gold Mining in Osun state requires no chemical for processing, the use of Mercury and other chemicals is alien to the local miners and has only recently been introduced by the Chinese operators.

➤ **Public Health Assessment and Awareness on Artisanal Small-Scale Gold Mining (ASGM) in Nigeria**

In March 14 to 22, 2019 and March 24 to 30, 2019, the department worked in collaboration with World Health Organization and Federal Ministry of Health and Environment to carry out a field assessments of health implications on the host communities of artisanal and small-scale gold mining in Niger and Osun States respectively.

The objective is to ascertain the effects of mercury use by the ASGMs on host communities in the states. The results of the study will inform part of the National Action Plan (NAP) being developed by the Federal Ministry of Environment in accordance with the Minamata Convention.

Two ASGM sites were visited in each of the two states (in Ibodi, Atakumosa West LGA Osun State and Kpamkpam, Shiroro LGA, Niger state). Also, two primary care health facilities were visited in the two states where primary data were collected via the use of questionnaires and interviews. Hospital records were also perused. Town hall meeting was also held with the local people. The project is continuing as the NAP is being worked on by the Federal Ministry of Environment.

## 5.0 PLANNING RESEARCH AND STATISTICS (PRS) DEPARTMENT

The Planning, Research and Statistics Department is the Think Tank of the Ministry. It coordinates short, medium and long term plans of the Sector. It is also responsible for the coordination, formulation and implementation of policies and programmes; collection, collation, analysis and dissemination of information.

### 5.1 The Functions of the Department includes:

- Initiate and coordinate matters relating to bilateral agreements with many countries in the field of Geology, mining, Mineral Processing and Metallurgy and activities involving international partners and donor Agencies such as UNDP, UNIDO, AFDB and European Union.
- Production of Annual Report of activities of the Ministry.
- Establishment of a robust Statistical Database for the Ministry
- Interface with Research Institutions to improve the research findings of the sector
- Collaboration with National Bureaus of Statistics (NBS), Central Bank of Nigeria (CBN) and the Nigeria Custom Service to track sectoral information
- Collation and production of quarterly progress report of the Ministry
- Coordinating matters relating to Medium Term Sector Strategy (MTSS) for the Ministry.
- Monitoring of the Ministry Roadmap through Mining Implementation and Strategy Team (MIST).
- Monitoring and Evaluation of Capital Projects.
- Coordination of Ministerial Platform.
- ICT Infrastructures upgrade and Web portal development/Database Management System and
- Library services.

### 5.2 STRUCTURE OF THE DEPARTMENT

The Department is structured into three (3) main Divisions viz:

- i. Planning Division,
- ii. Research and Statistics Division.
- iii. Monitoring and Evaluation Division.

#### Units

- Library and
- ICT Unit.

### 5.3 STAFF STRENGTH

The Department has a total staff strength of 32

. Director PRS' Office:	3
. Research and Statistics	5
. Planning	8
. Monitoring & Evaluation	5
. ICT	8
. Library	3
<b>Total</b>	<b>32</b>

### 5.4 ACHIEVEMENTS OF THE DEPARTMENT

i. **Bilateral Agreements:** The Ministry signed bilateral agreements with South Africa, Niger Republic, Namibia, Iran, China and Russia. However, agreements with Niger and South Africa are being implemented as highlighted below:

a) **Memorandum of Understanding (MoU) between the Ministry and the Ministry of Mineral Resources of the Republic of South Africa:**

The Department effectively coordinated the operationalization of the MoU between the Ministry and the Ministry of Mineral Resources of South Africa in the field of Geology, Mining and Capacity Building. The operationalization of MoU culminated into:

- Auditing and inventory of the Nigeria Geological Survey Agency (NGSA) laboratory in Kaduna and National Metallurgical Development Centre (NMDC) Laboratory in Jos;
- Carrying out needs assessment of the laboratories in Kaduna and Jos;
- Training of technical officers on exchange programme;

b) **The MoU between the Ministry and the Ministry of Mines of Niger Republic.**

The MoU was signed in March, 2019 in Niamey, Niger Republic. Officials of the Ministry met with the Nigerien delegation in Abuja on 16<sup>th</sup> October, 2019 and drew up implementation plan of the MoU.

ii. **Multilateral Cooperation:**

. The Department coordinated activities involving International Partners and Donor Agencies viz:

- United Nation Development Partners (UNDP),
- United Nations Industrial Development Organization (UNIDO),
- African Development Bank (AfDB), and



- European Union (EU);

. The Ministry collaborated with UNDP to align the Roadmap with African Mining Vision (AMV).

. The Ministry has articulated her areas of interest for incorporation into 2020 – 2024 ADB Country Strategy Paper.

**iii. Federal Executive Council (FEC) Approvals are:**

a. Bill for the review of the Explosive Act of 1964

b. Ratification of the statute of the African Minerals Development Centre, Guinea

c. Bill on the establishment of the National Metallurgical Training Institute, Onitsha

**iv. National Council on Mining and Mineral Resources Development (NCMMRD)**

The third edition was held between 6<sup>th</sup> to 8<sup>th</sup> November, 2019 in Ekiti State, 2019. The theme: “Nigeria Minerals and Metals Sector: Spectrum for Investment Opportunities for Economic Growth and Development”.

**v. Ministerial Retreat:** The Department in collaboration with MinDiver and PwC (Facilitator) organized a Ministerial Retreat for management staff of the Ministry at Kaduna, from 5<sup>th</sup> to 8<sup>th</sup> December, 2019. The Theme “Improving Institutional Synergy to Accelerate Minerals and Metals Sector Transformation”.

**vi. The Department through ICT Unit provides and maintains ICT Infrastructure for the Ministry.**

**vii. Integrated Automation & Interactive Solid Mineral Portal (IAISMP);**

➤ Developed a robust Data Centre;

➤ Designed and deployed Geographic Information System Laboratory;

➤ Data Disaster Recovery Centre in Lagos;

**viii. Cataloguing and Classification of Library materials for ease of accessibility;**

**xi. Research Development and Collaboration with Tertiary Institutions;**

➤ Coordinated the disbursement of grants to three (3) Tertiary Institutions for research purposes in the fields of Mining Engineering, Geology and Metallurgy;

**xiii. Production of 2019 Annual Report:** This showcase the activities of the Ministry in 2019

**5.5. ONGOING PROGRAMMES / PROJECTS**

i. Reactivation of Bilateral Agreements with South Africa, Iran, Namibia;

ii. Council Note on the 1<sup>st</sup> and 2<sup>nd</sup> editions of the National Council on Mining and Mineral Resources Development;

iii. Formal presentation of Final Reports on research activities submitted by the benefiting tertiary institutions to the Management;



- iv. Production of Digest of Statistics;
- v. Stakeholders workshop on National Gold Policy;
- vi. Establishment of e-library;
- vii. Purchase/subscription of local and foreign journals/professional books relevant to the sector.
- viii. Production of quarterly Current Awareness Services (CAS) i.e ongoing daily activities
- ix. Establishment of Synchronised database for the sector.

## 5.6 CHALLENGES

- i. Lack of proper understanding of the roles/mandates of the Department by other Departments and Agencies;
- ii. Inadequate office accommodation;
- iii. Insufficient Utility Vehicles;
- iv. Inadequate Funding;
- v. Insufficient productivity tools;
- vi. Obsolete Local Area Network (LAN);
- vii. Lack of synergy in coordination of ICT automation in the Ministry;
- viii. Insufficient Internet bandwidth;
- ix. Under reporting of the sector's performance by other government Agencies - NBS, CBN, etc.
- x. Inadequate Skilled manpower.

## 5.7. WAY FORWARD

- i. Support of the principals in ensuring that other Departments/Agencies sufficiently co-operate with the Department to deliver effectively on her mandates;
- ii. Provision of additional office accommodation and computer systems/accessories;
- iii. Increased funding;
- iv. Overhaul of the Ministry's LAN;
- v. Capacity Building;
- vi. Provision of backup Internet Service Provider and additional bandwidth;

- vii. Domestication of the ICT Policy in the Ministry;
- viii. Effective collaboration with relevant MDAs on sectoral information and performance;
- ix. Improved synergy amongst Department for prompt data gathering and information dissemination;
- x. Establishment of a Ministry-wide Heads of ICT Council
- xi. Resuscitation of the under-utilized NITDA-donated ICT Resource Centre for facilitation of in-House ICT Trainings.



## **6.0 REFORMS COORDINATION & SERVICE IMPROVEMENT (RC&SI) DEPARTMENT**

The Department of Reform Coordination and Service Improvement Department serves as focal point for driving reform agenda in the Ministry within the limit set by relevant institutions of Government such as the Bureau of Public Service Reform (BPSR), Office of the Head of Civil Service of the Federation (OHCSF) and related agencies. The Department carryout the mandate through Focal Officers drawn from across the Ministry's Headquarters, State Offices as well as various Departments, Units and Agencies.

As part of its commitment to effective coordination of Reform Agenda in the Ministry through reflections on the state of service delivery with a view to laying solid foundation for enhancing performance, the Department deemed it necessary to organize the under listed workshops/training which serves as the update of the Department's activities/programmes for the year 2019.

### **6.1 SPECIALIZED FUNCTIONALITY EVALUATION EXERCISE**

The Specialized Functionality Evaluation Exercise was carried out between 20th May - 28th June, 2019 at the six (6) zonal offices:

- |      |               |         |
|------|---------------|---------|
| i.   | North Central | Jos     |
| ii.  | North East    | Borno   |
| iii. | North West    | Kaduna  |
| iv.  | South South   | Calabar |
| v.   | South West    | Ibadan  |
| vi.  | South East    | Enugu   |

The objective of the specialized evaluation is to among others, establish a cohesive standard of service delivery in line with best practice.

### **6.2 WORKSHOP ON SERVICOM CHARTERS FORMULATION**

The workshop on SERVICOM Charter formulation was held on the 25th - 28th June, 2019 at the prestigious Country Home Hotel, Tundu Wada, Jos, Plateau State. The workshop was aimed at reviewing the Ministry's Charter which was formulated and produced in 2008 and the content of which are currently obsolete, misdirecting the public and misrepresenting the Ministry. The Department by the workshop trained Focal Officers as well as Ministerial SERVICOM Unit (MSU) staff on the task of coordinating, evaluating and processing SERVICOM Charters.

### **6.3 Capacity Building for Ministerial Servicom Unit (MSU) Staff**

In a bid to upscale the skill, capacity and knowledge of staff of the Department, there was need to organize capacity building training to bridge the knowledge gap in the Department, hence the need for a training on Information Communication Technology (ICT) for Effective Service Delivery.

Capacity Building for Ministerial SERVICOM Unit (MSU) Staff – Focal Officers

The Department in a bid to upscale the skill, capacity and knowledge of staff of the Department, organized a capacity building training to bridge the knowledge gap in the Department, hence the need for a training on Building Capacities of Staff for Reposition of the Ministry and other Service Frontlines for Effective Service Delivery.

### **6.4 REPORT WRITING WORKSHOP**

The growing need for effective communication gave rise to the need for officers in the Ministry to be trained of the skill of report writing which is key to effective communication in civil service. This exercise was held in Abacha Road, Nasarawa State on the 15th – 16th July, 2019.

### **6.5 INAUGURATION OF FOCAL OFFICERS**

The Focal Officers are the representatives from the Departments, Units, Parastatals and Agencies. They are to ensure an effective and efficient service delivery within the Ministry and give the feedback of their interaction with the customers to Reform Coordination and Service Improvement Department. The inauguration took place on the 10<sup>th</sup> December, 2019 at the Honorable Minister's Conference Room.

### **6.6 CONCLUSION**

It is important to stress that the Department has judiciously utilized resources in line her mandates.

## 7.0 INVESTMENT PROMOTION AND MINERALS TRADE (IPMT) DEPARTMENT

The recent significant improvement attained in the revenue generation of the Ministry of Mines and Steel Development (MMSD) is not unconnected with strategic efforts in licensing and certification; exhibition and investment; and promotion of the solid minerals Nigeria possess. Also, worthy of note is the fact that President Muhammadu Buhari's intensified efforts towards initiatives aimed at diversifying the economy provides a platform for the increased revenue generation achieved by the Ministry of Mines and Steel Development (MMSD). Some of the pillars upon which economic diversification would succeed and yield intended for the country includes; flawless articulation of the sector's mineral potentials and the attraction of investments for beneficial trade and economic expansion.

In the Ministry of Mines and Steel Development, Investment Promotion and Mineral Trade (IPMT) Department was created in 2018 from the Minerals and Metals Promotion Center Unit (MMPC). It is a Department which has limitations in terms of manpower and human capacity. The Department functions to ensure expansion and increase in the Ministry's capacity while, attracting more investments into the mineral industry through research, relevant information and the promotion of global competitiveness. Also, the Department initiate, establish and track development, programs and trends in solid mineral with a view to achieving a competitive edge and stand tall in the global minerals market. Harness opportunities that would attract investment among other functions.

The Department has within the period covered in this report embarked on gainful exhibition and investment; promotion; and licensing and certification. It is hopeful that some, tangible benefits would accrue when further necessary steps are taken to complete.

In the period under review, the laudable activities of the Department include:

### 1. **Participation in INVESTING IN AFRICA MINING INDABA 2019, Cape Town, South Africa:**

The Investing in Africa Mining INDABA is an annual conference dedicated to the successful capitalization and development of mining interest in Africa. The 2019 edition was hosted in Cape Town, South Africa with the theme "Championing Africa's Sustainable Economic Growth." The conference brings together mining companies, investors, governments, and other stakeholders the world over. Reason for the meeting of giants in the mining industry is to propel advancement in mining through learning and networking.

- a. Fundamental objective for Nigeria's participation are:
- i. Develop the Artisanal and Small Scale Mining (ASM) sub-sector by taking advantage of the interest of the World Bank Group in developing the ASM. This involve meetings on closing the gender gap in the ASM and improve understanding and participation of women ASM;
  - ii. Taking advantage of the attendance of key decision makers and influencers in the industry from all over the world to engage in high level Economic Diplomacy and promote mining in Nigeria;
  - iii. Showcase the tremendous strides achieved in the sector reform agenda of government towards the diversification of the Nigerian economy;
  - iv. Promote the unfolding opportunities in mineral assets of Nigeria – Gold, Iron Ore, Lead Zinc, Graphite, Gemstones, Tin etc. Nigeria must take advantage of the upcoming mineral boom;
  - v. Encourage Nigeria Junior mining companies to be globally competitive; and
  - vi. Mining INDABA is a “Class room”: there are several side events and continuous presentations and networking for deals, sector updates, innovations and learning.

## **2. Participation in the PROSPECTORS AND DEVELOPERS ASSOCIATION OF CANADAN (PDAC) INTERNATIONAL CONVENTION, 2019**

The Prospective Developers Association of Canada (PDAC) is a leading voice in the global mineral exploration and development community. It has over 8,000 members around the world. The core mission includes: to promote a globally responsible, vibrant and sustainable mineral industry. PDAC encourages best practice in technical, operational, environmental, safety and social performance. For Nigeria, this is important because it is a one-stop-shop favorable for the exhibition of the huge solid minerals Nigeria possess. It attracts investors, analysts, government officials, mining executives, geologists and international delegates to a common location with the opportunity to learn and network with over 1,000 exhibitors and 3,800 investors.



## TECHNICAL MEETINGS:

Several meetings were held during the PDAC 2019 in respect of the Presidential Artisanal Gold Development Initiative (PAGDMI). Some of the meetings are;

a. **Meeting with Bullion Mart/Spring Fountain Consortium**, from the meeting it was expected that necessary recommendation be made to the Honorable Minister on the technical capability of the consortium. The Nigerian High Commissioner to Canada was expected to follow-up, put forward a communiqué, and forward same to the Honorable Minister, on the meeting, for which the Federal Government may act.

b. **Meeting with the Ethiopian Delegation**

The objective of the meeting was to get more details of the current state of the Ethiopian gold purchase model and compare notes on Artisanal and Small-scale Gold Mining program on possible areas of collaboration. Observation showed that unlike the World Bank Project Model, its major objective was to build a partnership together with the Ethiopians, using established existing structures in the country. This allows for flexibility, dynamism, and sustainability. Project implementation is based on the capacity of the Ministry but, targeted at improving public sector capacity and governance; strengthening integrated resources management and transforming Artisanal and Small-scale Mining.

c. **Meeting with Bombardier**

This meeting was with the view to develop a private sector logistics service framework for the National Gold Purchase Scheme (NGPS) and the mining sector. Bombardier declared willingness to look into the supply of transportation logistics for the gold project in the Nigeria mining sector. Though they will like to be preferred partners for the service provider, it was necessary that they carry out due diligence on the proposed operation in Nigeria. Also, Bombardier is disposed to signing a 10-year agreement that will cover parts supply, set up a small MRO for regional maintenance, while, committing ten Q400 aircrafts to the service provider for movement of personnel and supplies for the NGPS and other PAGMI projects.

d. **Meeting with Canadian Institute of Mining (CIM)**

The objective of the meeting was to seek the cooperation of CIM to create, curate and deliver relevant leading-edge knowledge and standard system, that will assist Nigerian professionals in planning, supervising, and executing exploration programs (in determining mineral resources & mineral reserves).

The meeting availed Nigeria to identified pathways for collaboration including: The development of guidelines for Qualified Persons in Nigeria, Development of Policies for Mineral Resources and Mineral Reserves and the setting up of a Charter in Nigeria for capacity building and certification of qualified persons.

**e. Meeting with Barrick Gold**

Barrick Gold is a leading mining company focused on gold exploration and mine development which carries out its own exploration. Following a request to invest in Nigeria, Barrick has accepted and will send a team of geologists to Nigeria to check on the data we have. This will inform them of their corporate decision. In addition, Barrick Gold will require the government to show political will to discourage and stop encroachment by illegal miners.

**f. Meeting with the Canadian Geological Survey (CGS)**

The meeting was held to further discuss on the Nigeria - South Africa MoU (Geosciences data generation). Areas of possible collaboration highlighted include;

- ✚ Phosphate exploration
- ✚ Free mineral exploration and development
- ✚ Production of technical document on coal
- ✚ Graphite exploration

It was agreed that the study group created by NGSA on these commodities will work with their counterpart in CGS.

**g. Exhibition at the PDAC 2019**

The Ministry took up exhibition space within the Mines Africa Pavilion. In 4 days over 200 visitors stopped by at the MMSD exhibition booth. Visitors were interested in the Artisanal Gold Scheme in which they were enlightened on the activities of the Ministry on the Gold Scheme and also, the solid minerals investment opportunities available in Nigeria. Guidelines on mineral titles application as well as discussion of the security of the tenure and security in general were some of the points of attraction. At the booth, a draft copy of the investment guidelines, copies of investment pamphlets like Amazon Gems found in Nigeria alongside flash drives were made available to visitors.



3. **Other conferences attended by the department are as follows:**

- a. Africa Down Under –Perth Australia 4<sup>th</sup> to 6<sup>th</sup> September, 2019.
- b. Nigeria- Korea Investment Summit - Seoul South Korea.17<sup>th</sup> -18<sup>th</sup> October, 2019
- c. Nigeria- Malaysia Trade Mission-
- d. Mining Show Dubai- Dubai 5<sup>th</sup> to 6<sup>th</sup> November, 2019.
- e. Mines and Money London- London 25<sup>th</sup> - 28<sup>th</sup> November, 2019

## 7.1 NOTABLE ACHIEVEMENTS

- a. A technical sub-committee on Nigeria – South Africa bilateral relations comprising officials from both countries was constituted and mandated to review the MoU between both nations.
- b. A successful exchange programme to the Mines Inspectorate and Health & Safety Units of South Africa was completed by the Nigerian Contingent.
- c. Mineral technology collaboration between Mintek and NMDC
- d. The South Africa delegation paid a 5 days visit to DPR to understudy the process and procedures in the Agency. This is consequent upon meetings at INDABA 2019.
- e. The cleanup and upgrade of the online application system for investors has been successfully completed by GAF AG and the portal reopened for application.
- f. Aided advancement in the Nigeria Pegmatite exploration for rare metals (Lithium, Niobium, Tin, and Tantalum).
- g. A prospectively index has been allotted to each pegmatite sheet with rankings of 'A' to 'E'; this has resulted in 17 highly favored areas being established.

## 7.3 RECOMMENDATIONS:

- i. Efforts should be made to follow-up on visitors to the Nigerian stand for exhibitions in the period under review.
- ii. The new action plan drawn by the technical sub-committee of the Nigeria – South Africa bilateral relations should be carefully studied to reveal feasibility and a timeline drawn to fit.
- iii. More should be done in terms of proper planning and preparation for the October, 2019 mineral investment show; to guarantee that it yields tangible and substantial benefits.

- iv. Efforts also to be made to follow up Barrick Gold Corporation in Canada on their interest in coming to Nigeria to do business.

## 7.2 CONCLUSION

The IPMT Department has judiciously utilized resources to execute projects and activities within its schedule and division as allotted within the period under review. Though, low manpower and capacity are challenges of the Department. There is hope that when steps are further taken and strategic follow-ups are done on issues and action outlined from previous exhibitions, beneficial investments would have been lured into the solid minerals sector.

## **8.0 MINES INSPECTORATE (MI) DEPARTMENT**

Mines Inspectorate Department (MID) is one of the Technical Departments of the Ministry charged with the overall responsibility for the supervision and monitoring of mining industry operations to ensure safe, orderly and efficient exploration, exploitation, usage and exportation of mineral resources.

The Department is also responsible for the control and regulation of importation, manufacture, transportation, storage, purchase, sale, and usage of commercial Explosives.

The tasks are achieved through the enforcement of the Nigerian Minerals and Mining Act, 2007, Nigerian Minerals and Mining Regulations, 2011, Explosives Act of 1964 (under review), and the Explosives Regulations of 1967.

### **8.1 OBJECTIVES OF MINES INSPECTORATE DEPARTMENT**

- i. Regulating the mining industry to ensure compliance with the extant mining Laws and Regulations;
- ii. Repositioning the mining industry to realize the goals of improved revenue generation and job creation;
- iii. Sanitizing and organizing the mines field such that mining becomes one of the most attractive sectors in the nation's economy;
- iv. Instituting safe, efficient, transparent and best mining practices;
- v. Ensuring that illegal mining and speculations in mineral titles are reduced to the barest minimum or at best eliminated; and
- vi. Establishing a computerized database of all mining and quarrying activities.

### **8.2 FUNCTIONS OF MINES INSPECTORATE DEPARTMENT.**

- i. Exercise general supervision over all reconnaissance, exploration, mining/quarrying operations and explosives transactions to ensure compliance with the Nigerian Minerals and Mining Act, 2007, the Explosives Act of 1964 and ancillary Regulations;
- ii. Supervision and enforcement of compliance by mineral title holders with all Mine Health and Safety Regulations prescribed under the Acts and Regulations and any other law in force;

- iii. Prepare and render records, reports and returns as required by the Minister or as prescribed by Regulations;
- iv. Carryout investigations and inspections necessary to ensure that all conditions relating to mineral titles and requirements of the Act are complied with;
- v. Take custody of mineral resources required by any Court to be forfeited to Government;
- vi. With the prior approval of the Minister, dispose of any mineral resources forfeited to the Government;
- vii. Regulate and Control the use of Commercial Explosives;
- viii. Review and recommend to the Honourable Minister, programmes for controlling mining operations; and
- ix. Discharge such other duties as may be assigned from time to time by the Honourable Minister.

### 8.3 OTHER ROLES OF THE DEPARTMENT

The Mines Inspectorate Department is the Ministry's Desk Department on the following National Agencies and Regional Initiatives:

- Nigerian Extractive Industries Transparency Initiative (NEITI)
- National Bureau of Statistics(NBS)
- Coal to Power Initiative of the Federal Government
- Bureau of Public Enterprise (BPE)
- Electricity Regulatory Commission
- Energy and Mines initiative of the ECOWAS Commission
- African Mining Vision of the Africa Union Commission
- National Counter Terrorism Strategy of the Office of the National Security Adviser
- Special Mines Surveillance Taskforce (SMSTF)

### 8.4 STRUCTURE OF MINES INSPECTORATE DEPARTMENT

The Department is structured into Headquarters, Zonal and State Offices.

#### **i. Corporate Headquarters, Abuja**

The Corporate Headquarters Office, Abuja is headed by a Director and supported by Mining Engineers and Mining Technologists. There are two divisions and three (3) Units namely:

- a). Mines Inspectorate Division.
- b). Explosives Division.

- c). Data Gathering Unit.
- d). Minimum Work Programme Unit.
- e). Mines Surveillance & Compliance Unit.

## ii. Zonal and State Offices

The Department has Offices in the thirty-six States of the Federation and the Federal Capital Territory (FCT). These include six Zonal Inspectorate Offices and thirty State Offices. The six (6) Zonal Mines Offices which are headed by the Zonal Mines Officers (ZMO) are as follows:

<b>Zone</b>	<b>Zonal Office</b>
South-West	Ibadan
South-East	Enugu
South-South	Benin
North-West	Kaduna
North-East	Maiduguri
North-Central	Jos

Other States where the Zonal Mines Officer is not resident are manned by the Federal Mines Officers (FMO).

## 8.5 STAFF STRENGTH OF MINES INSPECTORATE DEPARTMENT

The Department has Staff strength of 263 officers comprising of 34 at the Mines Inspectorate Headquarters, Abuja and 229 in Zonal/Federal Mines Offices. 174 are Technical Staff while 89 are Administrative Staff.

## 8.6 OFFICE ACCOMMODATION

The Headquarters of the Department occupies rooms 204 - 210 on the 2<sup>nd</sup> floor of block D of the Ministry's Headquarters Office Complex while the Zonal and States, Offices are located in the Federal Secretariats and rented apartments in states where Federal Secretariats are unavailable. Thirty-one (31) State Inspectorate Offices are accommodated in the Federal Government properties while Six (6) Offices located in Nassarawa, Gombe, Kogi, Abia, Bayelsa and Adamawa States are in rented properties.

## 8.7 REVENUE GENERATION SOURCES OF THE DEPARTMENT

In working towards realizing the Ministry's goal of improved revenue generation, the Mines Inspectorate Department collects the following types of revenue for Federal Government:

- ❖ Mineral royalties (Tariff rate was last reviewed in April, 2015 and ranges between 3% - 5% ad-valorem)
- ❖ Tariffs for gold refineries and recycled gold at 1.5 and 1% respectively.
- ❖ Explosives Licences/permit fees
- ❖ Permit to export mineral samples for analysis fees
- ❖ Licence to Possess and Purchase minerals fees
- ❖ Permit to export minerals for commercial purpose fees
- ❖ Licence to refine and process Gold fees.

## 8.8 MINERAL REVENUE MANAGEMENT

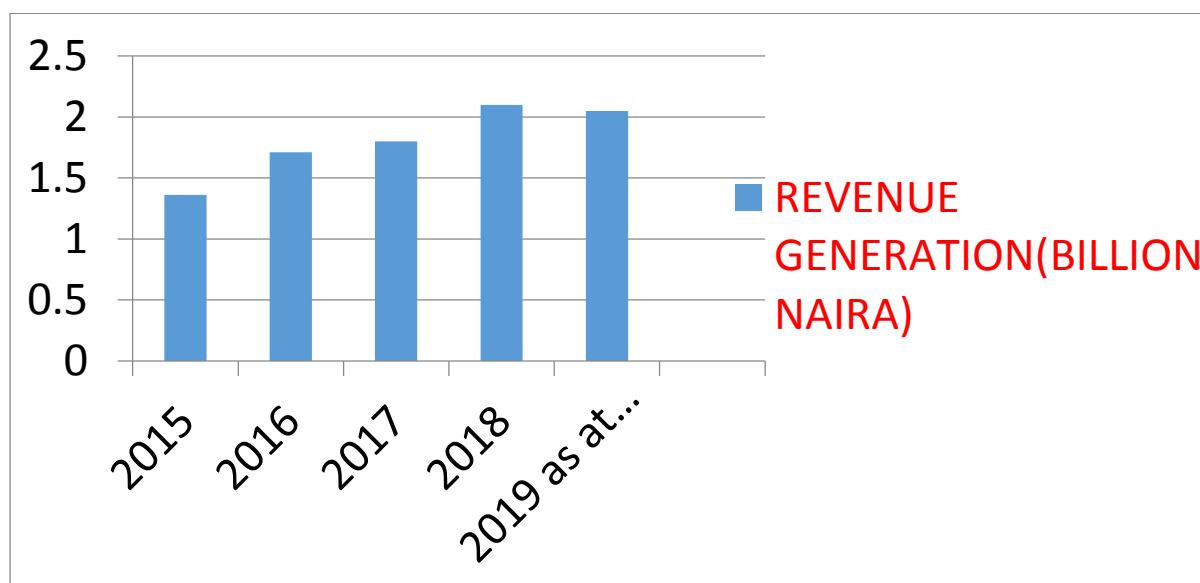
The Revenue generation, collection and management procedures being used are as follows:

- i. Mines inspectors visit mines and quarries at least twice monthly to assess mineral production.
- ii. Mining operators render monthly mineral production returns and pay royalty into Treasury Single Account (TSA) of the Federal Government.
- iii. Formulation of Fiscal Regime for the mining sector is being developed.
- iv. In order to sustain increased revenue generation, the following policy initiatives and actions are being taken by the Ministry and facilitated by the Department:
  - v. Tracking of mineral smuggling activities through collaboration with the Nigeria Customs Service, Nigeria Immigration Service and Central Bank of Nigeria
  - vi. Periodic auditing of mining company's royalty and other statutory remittances in collaboration with Nigeria Extractive Industries Transparency Initiatives (NEITI).

## 8.9 RECENT ACHIEVEMENTS OF THE DEPARTMENT

### a) Revenue Generation

S/NO	YEAR	REVENUE GENERATED(N)
1.	2015	1,359,850,310.50
2.	2016	1,717,212,084.51
3.	2017	1,799,649,962.71
4.	2018	2,064,546,714.01
5.	2019 as @ October	2,050,371,220.93
<b>TOTAL</b>		8,991,630,292.66



Graphical representation of revenue generation for 2015 – October, 2019

### b) Explosives Safety and Security

- i. Standardization of explosives magazine buildings with improved security features.
- ii. Completion of nationwide joint verification inspection of explosives storage facilities with full participation of all security agencies.

- iii. Completion of draft Explosives Act that was approved by the Federal Executive Council on the 20<sup>th</sup> of March, 2019 and sent to the Ministry of Justice for further necessary action.

#### **8.10 MEMBERSHIP OF BOARD OF PARASTATALS UNDER THE MINISTRY**

- Council of Mining Engineers and Geoscientists (COMEG)
- Steering Committee on Nigerian Institute of Mining and Geosciences (NIMG), Jos.

#### **8.11 AGENCIES OF THE MINISTRY SUPERVISED BY MINES INSPECTORATE DEPARTMENT**

- Mining Cadastre Office (MCO), Abuja
- Nigerian Institute of Mining and Geosciences (NIMG), Jos
- Nigerian Mining Corporation (NMC), Jos (Undergoing privatization)
- Nigerian Coal Corporation (NCC), Enugu (Undergoing privatization)

#### **8.12 CHALLENGES OF MINES INSPECTORATE DEPARTMENT**

The challenges of the Department include the following:

- a) Inadequate funding to effectively carry out the mandates of the department.
- b) Insecurity in the minefields resulting to inability to effectively monitor mining activities and collect commensurate revenue to Federal Government.
- c) Inadequate Technical Staff to carry out Minefields monitoring and supervision effectively.
- d) Non-payment of outstanding allowances of Staff.
- e) Inadequacy of sustainable human capacity development programmes for training and re-training of professional staff of the Department.
- f) Low level of application of Technology in carryout surveillance and other inspectorate duties.
- g) Illegal mining activities and smuggling of mineral commodities.
- h) Interference and usurpation of statutory powers of the Ministry by some Local and State Governments and other Federal Agencies such as the National Inland Water Ways Authority. This is done by introducing multiple taxes and royalties and creation of State Ministries of Solid Minerals in conflict with the provisions of the constitution of the Federal Republic of Nigeria, and the Nigerian Minerals and Mining Act, 2007.



- i) Infiltration of the minesfield by illegal aliens who engage and promote illegal mining and smuggling of mineral commodities out of the country
- j) Indiscriminate issuance of Expatriate Quotas for mining by the Ministry of interior without recourse to the Ministry thereby abusing this privilege and equally depriving Nigerian professionals of employment opportunities in the mining sector.
- k) Destruction of moral values of communities invaded by illegal miners with the introduction of social vices such as prostitution, drug addiction, child labour, banditry, armed robbery, kidnapping etc

### 8.13 WAY FORWARD

- 1) Improved funding for the Department to carry out its duties effectively.
- 2) Strengthening the department through:
  - i. Provision of adequate logistics and equipment for field work, revenue collection, monitoring of mining activities, and smuggling of minerals.
  - ii. Training and re-training the mining engineering professional staff and employing new ones to enable the department cope with its ever increasing workload and challenges
- 3) Strengthening of the Presidential Special Mines Surveillance Task Force to enable it function properly in complimenting the Ministry's effort in curbing illegal mining and mineral smuggling
- 4) Creating conducive working condition for increased staff productivity by improving staff welfare and payment of allowances of Staff.
- 5) Collaboration with Federal Ministry of Works to maximize royalty collection on construction materials based on Bill of Engineering Measurement and Evaluation (BEME) for civil engineering projects of Government
- 6) Strengthening the interface already established between the Ministry and relevant Ministries, Agencies of Government and mining stakeholders
- 7) Continuous collaboration with the Banker's Forum with a view to developing a framework to guide the mining companies on packaging of mining project business plans.

### 8.14 PROSPECTS OF MINES INSPECTORATE DEPARTMENT

The Department has the following prospects if the highlighted challenges are adequately taken care of:

- a) High revenue generation
- b) Capacity to create employment for the teeming unemployed Nigerian youths
- c) Effective enforcement of the Mining and Explosive Laws and Regulations
- d) Control of illegal mining activities

- e) Stimulation of investment to the minerals sector
- f) Development of a well regulated mining industry that is entrenched with good global mining practices.
- g) Foreign exchange earnings and savings achievable through providing support for increased production of mineral raw materials to support import substitution initiative and for export purposes.

S/NO	MINERAL TITLE TYPE	TOTAL NUMBER OF TITLES	PERCENTAGE (%) REPRESENTATIVE
1	MINING LEASE	88	3.9 %
2	QUARRY LEASE	572	25.3%
3	SMALL SCALE MINING LEASE	933	41.2%
4	EXPLORATION LICENCE	669	29.6%
	TOTAL NO. OF MINERAL TITLES	2,262	

**SUMMARY OF MINERAL TITLES INVENTORY FROM MINING CADASTRE OFFICE AS AT SEPTEMBER, 2019**

S/No.	STATE	<b>TYPES OF MINERAL TITLES</b>				TOTAL
		EXPLORATION LICENCE	QUARY LEASE	SMALL SCALE MINING LEASE	MINING LEASE	
1	ABIA	9	37	16	0	62
2	ADAMAWA	54	9	38	1	102
3	AKWA IBOM	0	10	11	0	21
4	ANAMBRA	4	12	47	0	63
5	BAUCHI	159	54	121	15	349
6	BAYELSA	0	3	1	0	4
7	BENUE	58	8	45	6	117
8	BORNO	7	5	4	1	17
9	CROSS RIVER	49	41	48	5	143
10	DELTA	2	14	41	0	57
11	EBONYI	85	72	48	10	215
12	EDO	41	124	89	9	263
13	EKITI	4	13	22	0	39
14	ENUGU	21	2	17	9	49
15	F.C.T	23	88	20	3	134
16	GOMBE	28	9	26	7	70
17	IMO	3	6	32	0	41
18	JIGAWA	2	13	11	0	26
19	KADUNA	144	140	329	14	627
20	KANO	35	83	140	1	259
21	KATSINA	69	32	42	0	143
22	KEBBI	56	5	46	4	111
23	KOGI	190	61	93	47	391
24	KWARA	81	36	37	3	157
25	LAGOS	0	159	29	0	188
26	NASARAWA	240	76	136	17	469
27	NIGER	424	43	164	6	637
28	OGUN	54	123	82	19	278
29	ONDO	20	51	17	6	94
30	OSUN	90	26	79	5	200
31	OYO	68	83	107	8	266
32	PLATEAU	220	9	97	63	389
33	RIVERS	0	13	27	0	40
34	SOKOTO	28	0	15	8	51
35	TARABA	101	9	54	7	171
36	YOBE	23	3	10	4	40
37	ZAMFARA	183	24	65	16	288
	<b>TOTAL</b>	<b>2,575.00</b>	<b>1,496.00</b>	<b>2,206.00</b>	<b>294.00</b>	<b>6,571.00</b>

<b>SUMMARY OF STATUS OF MINERAL TITLES AS AT SEPTEMBER, 2019</b>						
S/No.	STATE	TOTAL MINERAL TITLES GRANTED BY MINING CADASTRE OFFICE AS AT SEPTEMBER, 2019	TOTAL ACTIVE MINERAL TITLES AS AT SEPTEMBER, 2019	TOTAL INACTIVE MINERAL TITLES AT SEPTEMBER, 2019	MINERAL TITLES PERCENTAGE (%) ACTIVITY AS AT SEPTEMBER,	MINERAL TITLES PERCENTAGE (%) INACTIVITY AS AT SEPTEMBER,
1	ABIA	62	14	48	22.5	77.5
2	ADAMAWA	102	7	95	6.9	93.1
3	AKWA IBOM	21	17	4	80.9	19.1
4	ANAMBRA	63	39	24	61.9	38.1
5	BAUCHI	349	135	214	38.7	61.3
6	BAYELSA	4	4	0	100	0
7	BENUUE	117	24	93	20.5	79.5
8	BORNO	17	10	7	58.8	41.2
9	CROSS RIVER	143	67	76	46.9	53.1
10	DELTA	57	43	14	75.4	24.6
11	EBONYI	215	44	171	20.5	79.5
12	EDO	263	164	99	62.4	37.6
13	EKITI	39	17	22	43.6	56.4
14	ENUGU	49	17	32	34.7	65.3
15	F.C.T	134	30	104	22.4	77.6
16	GOMBE	70	27	43	38.6	61.4
17	IMO	41	24	17	58.5	41.5
18	JIGAWA	26	16	10	61.5	38.5
19	KADUNA	627	194	433	30.9	69.1
20	KANO	259	117	142	45.2	54.8
21	KATSINA	143	45	98	31.5	68.5
22	KEBBI	111	40	71	36	64
23	KOGI	391	148	243	37.9	62.1
24	KWARA	157	71	86	45	55
25	LAGOS	188	86	102	45.7	54.3
26	NASARAWA	469	98	371	20.9	79.1
27	NIGER	637	143	494	22.4	77.6
28	OGUN	278	74	204	26.6	73.4
29	ONDO	94	36	58	38.3	61.7
30	OSUN	200	61	139	30.5	69.5
31	OYO	266	119	147	44.7	55.3
32	PLATEAU	389	149	240	38.3	61.7
33	RIVERS	40	21	19	52.5	47.5
34	SOKOTO	51	23	28	45.1	54.9
35	TARABA	171	82	89	48	52
36	YOBE	40	11	29	27.5	72.5
37	ZAMFARA	288	45	243	15.6	84.4
	<b>TOTAL</b>	<b>6,571.00</b>	<b>2,262.00</b>	<b>4,309.00</b>	<b>34.40%</b>	<b>65.60%</b>

## 9.0 GENERAL SERVICES DEPARTMENT

General Services Department is responsible for the general maintenance of the Ministry Headquarters as well as State Offices.

The Department has succeeded in carrying out/supervision of the following projects within the year under review:

1. The Ministerial Tenders Board (MTB) had recently awarded a contract on the General Renovation and work flow reorganization of the MMSD Hqtrs, this project is ongoing and it is being supervised by Maintenance Division of General Services Department.
2. The Department has supervised the installation of firefighting equipment and refilling of expired fire extinguishers as a pre-caution for fire outbreak.
3. The Department took delivery and distribution of office furniture in order to enhance the working environment. It was successfully executed.
4. Mr. President Commander in Chief of the Armed Forces Federal Republic of Nigeria had appointed/inaugurated new Ministers, in view of this the office of the then incoming Honorable Minister was renovated to enable him to contribute his quota towards the actualization of the National goal.
5. The Department also supervised the contract on Landscaping & Resurfacing of the internal roads at the MMSD Hqtrs. These include patching of pot holes, pavement, painting for kerbs and planting of flowers around the Ministry. The work would give the Ministry a new look and attract both domestic as well as foreign investors to entrust the Ministry with their resources.
6. The General Services Department equally supervised the installation of IT Equipment for the activation of E-Applications for the utilization of the Integrated Automation and Interactive Solid Mineral Project.
7. It took delivery of Identity Card Machine and Capital Store Items recently and the process is ongoing.
8. The Department took delivery of 2nos. Toyota Hilux and 2nos. Peugeot 508 GT Line Salon Car, field vehicles for Monitoring of illegal mining and other official activities.

## 9.1 CHALLENGES/RECOMMENDATION

- I. Lack of training of the maintenance personnel, this can be tackled by embarking on rigorous training of maintenance personnel since their work schedule is more of technical than administrative.
- II. Inadequate releases of fund, this can be resolved by adequate and timely releases of fund to finance some critical projects in the department such as supplies.



## 10.0 SPECIAL DUTIES DEPARTMENT

The Special Duties Department was one of the three Departments created by the Office of the Head of the Civil Service of the Federation (OHCSF), through Circular No: HCSF/CMO/EM/243/17 of 11th March, 2014.

### 10.1 The Functions of Department of Special Duties include the following, among others:

- Assisting the Permanent Secretary to provide line supervision and general management to all the staff of the Former Office of the Permanent Secretary (FOPS).
- Manage high-level stakeholder access to the Permanent Secretary.
- Provide secretariat services to high-level meetings of the Permanent Secretary.
- Help the Permanent Secretary manage his/her schedule to ensure that his/her activities follow espoused priorities.
- Coordinate the Permanent Secretaries response to emergencies.

The Department also oversees the duties of the following units.

- i) Public Private Partnership (PPP) Unit.
- ii) Anti-Corruption and Transparency (ACT) Unit
- iii) Travel and Protocol Unit
- iv) Stock Verification Unit

### 10.2 THE UNITS:

#### 10.2.1 PUBLIC PRIVATE PARTNERSHIP (PPP)

The Public Private Partnership Unit was established to effectively mobilise private sector resources for national development.

##### a) Functions of the Unit includes:

- Identifying, prioritizing, selecting and developing framework for Public Private Partnership (PPP) Projects.
- Assessing the current status and performance of key infrastructure in relevant sectors.
- Assessing the policy, legal and institutional environment for involving the private sector in the provision of infrastructure.
- Negotiating/re-negotiating of all PPP projects using financial models to ensure viability.

## b) Achievement

- Increase in staff strength of the Unit. An Administrative Officer II was deployed to the Unit.
- Some officers attended various capacity building workshop/trainings. Both staff of the Unit and Ministry were trained on PPP at both basic and intermediate skill levels.
- Participated at the quarterly PPP Unit Consultative Forum meeting on which was coordinated by the Infrastructural Concession and Regulatory Commission (ICRC).

### 10.2.2 ANTI-CORRUPTION TRANSPARENCY

The Independent Corrupt Practices and other Related Offences Commission (ICPC) as part of its effort at corruption prevention obtained approval in 2001 to establish Anti-Corruption and Transparency Unit (ACTUS) in Ministries, Departments and Agencies (MDAs). The units are to operate as autonomous outfits with functional linkages with the office of the Chief Executive or Accounting Officers of the MDAs.

#### a). Functions of ACTU includes the following:

- Receive and investigate report, oral and/or written, of conspiracy to commit or the commission of an offence of corruption. Upon completion of primary investigation, submit both the initial report and that of the investigation to ICPC.
- Examine the practices, systems and procedure in the Ministry and where in the opinion of the Unit, such practices, systems or procedure and/or facilitate fraud or corruption, it shall submit detailed report with the recommendation to the Permanent Secretary with copies to ICPC for appropriate action.
- Educate all officials of the Ministry on and against bribery, corruption, and related offences by organizing seminars, lectures, placing of appropriate and well-reasoned anti-corruption posters in every conspicuous place within the Ministry's premises.
- Submit quarterly and yearly report of its activities to the commission.

#### b). Achievements:

The Unit achieved the following in 2019:

- Officers of the Unit were trained on Governance, Anti-corruption, Compliance and transparency management.
- ACTU carried out monthly meeting as appropriate.

- Development of Action Plan in line with its mandate as stated in the Standing Order of the Operations of ACTU in MDAs.
- Conducted awareness/sensitization seminar for the Ministry's staff on preventing corruption.

### 10.2.3 TRAVEL AND PROTOCOL

The Unit arranges travel and meetings for the Honourable Ministers and Permanent Secretary. It also assists with the processing of travel documents of Staff.

#### a) Functions of the Unit includes the following, among others:

- Planning and Execution of the Chief Executive's movements and tours.
- Arrangements of State ceremonies and visits
- Arrangement of courtesy calls on or by Chief Executives.
- Reception and Provisions of accommodation and Hospitality for all Management guests and visiting dignitaries.
- Rendering of consultancy and advisory services on Protocol matters to all Management / Agencies at the Headquarters and other stations.

#### b) Achievements:

The Unit arranged the following trips of the Honourable Ministers and Permanent Secretary in 2019.

- Africa Mining Indaba Conference at Cape Town, South Africa 3<sup>rd</sup> – 6<sup>th</sup> February, 2019.
- PDAC, Canada, 4<sup>th</sup> – 7<sup>th</sup> March, 2019.
- 4<sup>th</sup> Edition of International Exhibition and Conference on Steel Industries, from 22<sup>nd</sup> -24<sup>th</sup>, January, 2019
- Presidential visit to Russia, 21<sup>st</sup> – 25<sup>th</sup> October, 2019
- International Mining and Resources Conference, Melbourne, Australia, from 28<sup>th</sup> – 29<sup>th</sup> October, 2019
- LGC 2019 Canada – Nigeria Business and Investment Summit, Toronto Canada, 9<sup>th</sup> to 12<sup>th</sup> October, 2019.
- London Mines and Money Conference, London, from 25<sup>th</sup> -28<sup>th</sup> November, 2019.
- Presidential Visit to Malabo, Equatorial Guinea, 28<sup>th</sup> – 29<sup>th</sup> November, 2019.
- Africa Down Under Mining Conference, Australia, 4<sup>th</sup> – 6<sup>th</sup> September, 2019

#### 10.2.4 STOCK VERIFICATION

The Stock Verification Unit is established to provide a complete and continuous verification of the stock records, plant, allocated and unallocated stores where applicable.

**a) Functions of the Unit includes:**

- Prepayment verification of suppliers' works and services;
- Programmed checking of stores;
- Stock survey of plant, vehicles, vessels, furniture and equipment in use in offices, government quarters.
- Compilation and submission of periodic reports as prescribed in the Financial Regulations

**b) Achievements:**

Stock Verification Unit carried out the following activities between January - December, 2019.

- Inventory taking of all expendable items in use in the offices i.e. furniture, equipment, etc.;
- Prepayment verification of supplier.
- Verification exercise on supply of stationeries and computer consumables.
- Board of Survey activities i.e. disposal of unserviceable items such as chairs, tables, vehicles, plants, etc.

## **11.0 PROCUREMENT DEPARTMENT**

Following the creation of the Procurement cadre in the Federal Civil Service vide Circular No. **HCSF/PSO/155/1/25** of **9<sup>th</sup> June, 2008** from the Office of the Head of Civil Service of the Federation, the Procurement Division was created in the Ministry under the erstwhile Planning, Policy Analysis and Monitoring (PPAM) Department. However, with the posting of a substantive Director of Procurement to the Ministry in December 2014, the Procurement Department was created vide circular No: **MMSD/PROC/018/2015/1/3** of **3<sup>rd</sup> February 2015**.

### **11.1 FUNCTIONS OF PROCUREMENT DEPARTMENT**

The Procurement Department handles all procurement matters under the Capital and Recurrent expenditures of the Ministry and its Parastatals/Agencies as follows:

- (i) Tenders processing and evaluation
- (ii) Certification of all Capital and Recurrent Procurement
- (iii) Secretariat of the Procurement Planning Committee (PPC) and Ministerial Tenders Board (MTB)
- (iv) Processing of Certificate of “No Objection” to contract awards for the Ministry, its Agencies/Parastatals
- (v) Liaison with the Bureau of Public Procurement (BPP) and other MDAs on statutory procurement matters
- (vi) Chairman-Board of Survey/Boarding of Ministry’s items
- (vii) Price intelligence and research on all procurements
- (viii) Database Management on goods, works and services
- (ix) Processing valuation and issuance of certificates for completed goods, works and services before payments are made
- (x) Integrating its procurement expenditure into its yearly budget
- (xi) Any other issues related to the core functions of procurement

### **11.2 STAFF STRENGTH:**

The Department has staff strength of fourteen (13) officers headed by a Director.

### **11.3 ACTIVITIES:**

The Processing of Y2019 Capital Projects as approved by the National Assembly in 2019 Budget proposal commenced with the submission of the Utilization Plan of the approved budget by the various Departments and Units. The Procurement Planning Committee (PPC) was constituted in March 2019 and deliberated on the Utilization plans to be adopted by MMSD. The submitted projects were approved by the PPC after which they were advertised in two (2) National Newspapers as well as the Federal Tenders Journal.

Successful vendors/bidders who met the specified due process requirements were awarded contract in line with the Public Procurement Act (PPA), 2007.

The following contracts were executed in 2019: -

**A. Goods**

- i. Purchase of Law reports and electronic Law Library
- ii. Procurement of Field Inspection tools and equipment for regulatory functions
- iii. Procurement of capital store items
- iv. Procurement of field monitoring equipment and distribution to zonal and State offices for MEC
- v. Procurement of field and safety equipment for inspectorate activity for Metallurgical Inspectorate and Raw Materials Development (MI&RMD)
- vi. Purchase of field vehicle (Two units Toyota Hilux Automatic Transmission)
- vii. Purchase of 2 Nos field vehicles Peugeot 508 GT line saloon
- viii. Development of infrastructure and promote grassroots sports
- ix. Procurement of security accessories and firefighting equipment
- x. Purchase of Identity and machined for production of staff ID/Staff verification
- xi. Provision of personal protective equipment (PPE) and branded reflective jacket and overall for Mines Inspectorate Offices

**B. Works**

- i. Reclamation of abandoned mines sites- Barkin, Ladi, Plateau State (Phase III)
- ii. Reclamation of abandoned mine sites -Dawa, Toro LGA, Bauchi State (Phase II)
- iii. Reclamation of abandoned mine sites - Adegbayi Area, Egbeda LGA, Oyo State.
- iv. Reclamation of abandoned mine sites - Barkin Ladi, Plateau State (Phase IV)
- v. Establishment of Safer Mining Techniques centre for precious and industrial metals
- vi. Production of journal and annual reports on mines activities
- vii. Information Technology (IT) Automation and Web Portal Maintenance
- viii. Acquisition and configuration of computer system for GIFMIS E-Revenue collection process for 36 States, FCT and capacity building
- ix. Printing of Nigeria Minerals and Mining Regulations 2011



### C. Consultancy

- i. Amendment of Mining Laws
- ii. Consultancy on Revenue Auditing of Mining and Exploration Companies
- iii. Provision of extension services on Artisanal Mining Techniques to Mining Artisans
- iv. Revalidation of abandoned mines sites Nation-wide
- v. Consultancy services on Mineral Utilization and Value Chain- Gap Analysis and Metal Industry
- vi. Research into Clean Coal Technology and Environment
- vii. Formalization/Mainstreaming of Artisanal Miners in the Country.

#### 11.4 CHALLENGES:

The Department was faced with the following challenges: -

- Inadequate budget line for procurement
- Inadequate training courses both local and abroad in order to enhance the Procurement staff output
- Insufficient manpower: procurement officers, secretaries, clerks etc to aid the quick response of procurement functions
- Inadequate office equipment & furniture (Laptops, Camera and other logistics, project vehicles and furnishing of the new allocated office space)

#### 11.5 CONCLUSION

Despite the challenges highlighted, staff of the Department are striving to achieve the best to resolve procurement challenges and adhere to the provisions of the Public Procurement Act.

## 12.0 HUMAN RESOURCES MANAGEMENT (HRM) DEPARTMENT

The Human Resource Management Department has its core functions/responsibilities as follows;

- ✓ Handling Training, Staff Welfare and Pension matters;
- ✓ Handling of Appointment, Promotion, Discipline and other related establishment matters;
- ✓ Management of Integrated Personnel and Payroll Information System (IPPIS);
- ✓ Supervising and advising Parastatals/Agencies under the purview of the Ministry on establishment matters.

The Human Resource Management Department discharges its functions/responsibilities through two Divisions namely; Appointment, Promotion, Discipline Division and the Training and Staff Welfare Divisions respectively each of which is headed by a Deputy Director and under the supervision of a Director. The HRM Department has a total staff strength of 73.

### 12.1 UPDATES ON TRAINING AND STAFF WELFARE DIVISION

#### I. TRAINING UNIT

The Training Branch is saddled with the responsibility of organizing and implementing the capacity building programmes of the Ministry. In 2019, Management approved and conducted some programmes out of which included the following:

- The Ministry trained thirty-two (32) Drivers on “Safety Techniques in Driving” for three (3) days i.e 9<sup>th</sup> – 11<sup>th</sup> December, 2019.
- Sixty – eight (68) officers were trained on “Capacity Building in Report Writing and Minutes of meeting”. This took place on 16<sup>th</sup> – 18<sup>th</sup> December, 2019.
- Thirty – seven (37) IT Students were accepted for Industrial attachment and have been deployed to relevant Departments and some to Mining Quarry sites by Mines Inspectorate Department. Most of these students rounded up their programme between November and December, 2019 and some will complete theirs in 2020.
- Several officers were granted approval for study leave with and without pay, some of whom were on self-sponsorship/Scholarship at various universities both within and outside the country and some were sponsored by international Partners.

## II. STAFF WELFARE UNIT

The unit ensures the general welfare and motivation of staff for increased efficiency and effectiveness, proper coordination of sports and recreational activities for a healthy workforce; coordinating of all the Union and Industrial matters for peace and industrial harmony, ensures prompt processing of statutory and non-statutory staff benefits and claims; coordinates all health and medical matters including the registration of staff with the NHIS Schemes etc.

Consequently, and within the period of 2019, the following were accomplished among a whole range of activities.

- The Ministry's sports club took part in the monthly jogging exercise and had participated at the Inter-Ministerial Games (FEPSGA) that took place in Kogi of which the female teams won Gold medal in handball.
- Within the period under review, mid-term staff welfare package (Ed-el-kabir) was given to officers and Christmas package in December, 2019.

## III. PENSION MATTERS

The Pension Unit has successfully handled matters relating to retirement issues i.e verification and enrolment exercise for staff who retired in 2019. In this regard, twelve (12) officers retired from service on account of attaining sixty (60) years of age or thirty-five (35) years of service. Their retirement papers were processed accordingly.

- (i) Under the IPPIS Scheme, the Department established a well-equipped IPPIS center and engaged officers from the Human Resource Management, Finance and Accounts and Internal Audit respectively to effectively run the Centre.

### 12.2 THE APPOINTMENT, PROMOTION AND DISCIPLINE

The Appointment, Promotion and Discipline branch has its core functions and responsibilities as follows:

- i. Handling of Appointment, Promotion and Discipline and other related matters.
  - ii. Management of Integrated Personnel and Payroll Information System (IPPIS)
  - iii. Supervising and advising Parastatals/Agencies under the supervision of the Ministry on establishment matters.
- A. **STAFF STRENGTH:** - Presently, the Ministry has a staff strength of Seven Hundred and Sixty-Nine (779) Officers covering the various cadres.

- B. **ESTABLISHMENT MATTERS:** - The Ministry has received the year 2019 authorized establishment from OHCSF, which approved a total of Nine Hundred and Seventy-Seven (977) covering the various cadres.
- C. **PROMOTION:** - The Ministry's year 2019 promotion interview for eligible non- pool officers on SGL 06 - 13 was conducted on the 12<sup>th</sup> December, 2019 at the Ministry's headquarters.

However, the following promotion submissions have been made to the appropriate authorities:

- i. Submission in respect of year 2019 Directorate promotion Examination for eligible Officers on SGL 14 - 16 under the pool of OHCSF.
- ii. Relevant promotion documents on eligible Officers on SGL 06 - 13 in the pool of Bureau for Public Procurement (BPP) for 2019.
- iii. Preparing and forwarding of relevant promotion documents on eligible Officers on SGL 06 - 13 in the pool of OAGF for year 2019.
- iv. Supervised the year 2019 promotion interview in the following Parastatals/ Agencies under the supervision of the Ministry.
  - (a) National Iron Ore Mining Company Itapke Ltd (NIOMCO)
  - (b) Nigerian Institute of Mining and Geosciences (NIMG) Jos.
  - (c) Nigerian Geological Survey Agency (NGSA)
  - (d) Metallurgical Training Institute (MTI) Onitsha.
  - (e) National Steel Raw Materials Exploration Agency (NSRMEA), Kaduna.
  - (f) Council of Nigerian Mining Engineers and Geoscientist (COMEG)
  - (g) National Metallurgical Development Centre (NMDC) Jos.

Challenges: Some of the challenges faced by the APD branch include:

- Inadequate office space for Officers.
- Timely release of funds for Training
- Limited funds to carry out Training activities in the Ministry
- Training of Officers for effective service delivery

## **13.0 FINANCE AND ACCOUNTS DEPARTMENT**

The Department of Finance and Accounts is a professional service Department saddled with the responsibility of budgeting funds management, Revenue generation, collection and other accounting functions. The Department supports and promotes the implementation of policies, programs and projects of the Ministry under the guidance of the Permanent Secretary as accounting officer.

### **13.1 STAFF STRENGTH**

The staff strength of the Department in the Headquarters is 54 comprising of 48 Treasury staff, 6 directorate officers and 6 Administrative officers and 35 in the state offices

The report will be sub-divided into the following headings:

- a) Functions of the Department
- b) Organogram of the Department
- c) Achievements of the Department
- d) Challenges
- e) Way forward/Conclusion

### **13.2 FUNCTIONS OF THE DEPARTMENT:**

- a) Ensuring compliance with Financial Regulation and the Accounting code / manual by all staff under the department;
- b) Ensures adequate financial control, efficiency and smooth operations of the financial management; and observance of due diligence, economy and cost effectiveness;
- c) Advising the accounting officers on all financial matters as well as technical provision of financial regulations, other Treasury and Finance circulars;
- d) Managing funds in a manner that assures smooth operations;
- e) Ensuring adequate control and management of the Property, Plant and Equipment Register and reconciling the schedule thereto to the General Ledger on a monthly basis;
- f) Ensuring the preparation and updating of the information needed for Medium Term Revenue Framework (MTRF), Medium Term Expenditure Framework (MTEF), and Medium Term Sector Strategy (MTSS);
- g) Compiling and defending of the budget proposals and ensuring effective budgeting control by matching /comparing budgeted figures with actual expenditure or revenue as the case may be;
- h) Ensuring prompt disbursement to contractors / suppliers and staff using the Government approved payment mode.

- i) Ensuring the existence of effective and adequate internal control system to safeguard the assets of the Ministry.

### **13.3 ORGANOGRAM**

All MDA's now have a standardized organogram and books of accounts / other accounting records as a result of approval granted for restructuring of the Finance and Accounts department by the office of the Head of Civil Service of the Federation (HOCSF). This is to ensure uniformity in accounting system and practices, seamless consolidation of Financial reports and greater disclosure in line with the provisions of IPSAS. It all further enhances effective Public Financial Management (PFM). Based on the restructuring, the recognised division in the Finance and Accounts Department are:

- a) Revenue and External Assistance Division
- b) Expenditure Division
- c) Budget division
- d) Financial and Fiscal Report Division

All the above divisions are to be headed by Deputy Directors.

It is necessary to highlight the functions of each division without wasting too much time.

### **13.4 REVENUE AND EXTERNAL ASSISTANCE DIVISION**

- i. The division handles donations/aids from external bodies
- ii. Identifying of all revenue sources accruable to the Ministry
- iii. Maintaining and updating the data base of the Ministry revenue generating properties / assets in terms of their locations, types and the nature of revenue generates
- iv. Ensuring that all revenue accruable and identifying revenue due but not yet paid to the Consolidated Revenue Funds (CRF)
- v. Ensuring regular monitoring of Revenue collection
- vi. Ensuring regular comparison of budgeted revenues with actual collection, analysing and reporting the variables

### **13.5 EXPENDITURE DIVISION**

- i. Ensuring the identification and reconciliation of Accounts payables and records;
- ii. Organising the expenditure functions in a manner that facilitates the keeping of accurate and adequate financial records;
- iii. Ensuring effective cash management.



The following units are under Expenditure Division:

- a. Capital
- b. Expenditure
- c. Advances
- d. Central Pay Office

### **13.6 BUDGET DIVISION**

- i. Ensuring the preparation of Medium Term Revenue Framework (MTRF)
- ii. Ensuring the preparation of Medium Term Expenditure Framework (MTEF)
- iii. Ensuring the preparation of Medium Term Sector Strategy (MTSS)
- iv. Preparation of budget (Revenue, Expenditure, Aids and Grants, and Capital Expenditure)

### **13.7 FINANCIAL AND FISCAL REPORTING DIVISION**

- i. Preparation, Analysing, Interpretation and reporting of General Purpose Financial Statement
- ii. Ensuring proper maintenance of Property, Plant and Equipment register;
- iii. Preparation of Annual Financial Report to be submitted to the office of the Accountant General of the Federation

### **13.8 ACHIEVEMENTS**

Finance and Accounts Department during the financial year has contributed to the growth of the Ministry and the Mining Sector by making prompt payment for services and commitments on behalf of the Ministry.

Some of the commitment include the following:

- i. The National Integrated Mineral Exploration Project (NIMPET) for the exploration of the mineral across the country.
  - ii. The targeted/integrated mineral exploration (Rear Metal)
  - iii. The targeted/integrated mineral exploration (Gold and Platinum group metal)
  - iv. The targeted/integrated mineral exploration (Base metal)
- b) The Department also remitted grants to Agencies and Parastatal under the Ministry's intervention fund to carry out mandatory functions accordingly within the period under review.
- c) The Department trained its staff twice within the period; IPSAS and E-collection of revenue and IPPIS for 36 state offices and FCT to help forestall loses and enhance revenue collection for government. The other is centred on Revenue Monitoring.

### 13.9 CHALLENGES

- a. Non release of monthly allocations (Overhead and Capital) as at and when due. This gives rise to the accumulated outstanding liabilities;
- b. The issue of granting personal advance for programmes that should be awarded through Tender has attracted audit queries both from the Ministerial Audit Committee of the Office of the Auditor General and the Public Accounts Committee (PAC). All departments must note that the threshold for Tender still subsist;
- c. Another area of accountability that must be strengthened by the Permanent Secretary is the issue of Project Accountant which introduction as a form of accountability has been misconstrued by the Technical Departments;
- d. The Department need more for capacity building to abreast with the current reforms; IPSAS, GIFMIS, E-Collection and Public Financial Management etc.
- e. Inadequate equipment and working materials which hinders optimal performance;
- f. Inadequate office accommodation for the staff of the department.

### 13.10 CLOSURE OF 2019 ACCOUNTS

The Accounts of the Ministry was closed on the 31<sup>st</sup> December, 2019 by the Office of the Accountant General of the Federation followed by physical inspection on the 3<sup>rd</sup> January, 2019.

### 13.11 WAY FORWARD/CONCLUSION

Regular funding/monitoring of State offices will boost revenue generation, collection and remittance. Provision of adequate working materials and office space will motivate staff and improve efficiency. Also, regular training and workshops will boost efficiency and help staff to abreast with international public sector accounting standards and reporting.

## A. LEGAL SERVICES UNIT

The main functions of the Legal Unit are to proffer legal advice to the Ministry and also represent the Ministry in various Courts in Nigeria. In 2019, Legal Unit have more than forty (40) ongoing cases in the various Courts, including the Supreme Court and the Court of Appeal. The cases are mostly on revocation of Licences, Leases and other related matters.

### A1. FUNCTIONS OF THE UNIT

- Generally, proffering/rendering of legal advice/opinion on mining and minerals, guidelines and related matters;
- Representing the Ministry in all civil criminal matters in all courts of competent jurisdiction in Nigeria and abroad as the case may be;
- Membership of the Procurement Planning Committee (PPC), Ministerial Tenders Board (MTB) the Senior Staff Committee (SSC) and other Ministerial Committees as may be appropriate;
- Attendance at High Level Meetings both local and international;
- Provides legal services in terms of legal advice, proffering legal opinion to the Ministry and its Parastatals;
- Preparing Agreements between the Ministry and other parties. Such Agreement includes Lease/Tenancy Agreements, Commercial Agreements, Bilateral and Multilateral Agreements, Consultancy Agreements Memorandum of Understanding and other Memoranda;
- Preparing legal opinion and advice on matters pertaining to the running of the Ministry. These include:
  - Policy matters
  - Legislations
  - Contracts
  - Personnel matters
  - Etc;
- Handles, issues relating to draft legislations through all the processes, until they are passed into law;
- Handles, issues relating to compliance, implementation, and interpretation of the Act and other minerals and mining legislations;
- Serves as member of any standing committee(s) as may be set up from time to time;

- Handles legal matters that may be assigned to it by the parent Ministry (i.e Ministry of Justice); and
- Performing such other functions as may be assigned to the Unit from time to time, by the Honourable Minister and or the Permanent Secretary.

## **A2. ACTIVITIES OF UNIT**

### **1. AMENDMENT OF THE NMMA 2007/ ESTABLISHMENT OF MEGA REGULATORY AGENCY**

- \* In the Ministry's effort to strengthen the existing legal framework in the Mining Sector, particularly on governance issue, the amendment to Nigerian Minerals and Mining Act, 2007 envisages the need to improve on governance and therefore proposed the establishment of Nigerian Minerals and Mining Commission as a Mega Regulatory Agency, a body corporate with perpetual succession and a common seal capable of suing and being sued. The Commission will have governing Board as a high decision making authority. The Commission shall be structured into departments to carry out the functions of the Commission.
- \* The Bill seeking to amend the Nigerian Minerals and Mining Act, 2007 and to establish the Nigerian Minerals and Mining Commission was forwarded to the 8<sup>th</sup> National Assembly for enactment into law. Legislative work on the Bill had reached advance stage; however, the Bill could not be passed into law before the 8<sup>th</sup> National Assembly wound up.
- \* There will be need to re-present the Bill to the 9<sup>th</sup> National Assembly for further legislative action.

### **2. REVIEW OF THE EXPLOSIVES ACT**

- \* The Explosive Act, 1964 has become obsolete by reason of emerging security challenges and other related developments. Therefore, it has become necessary for an amendment to address the said challenges. A committee set up had reviewed the Act and forwarded same to FMOJ for vetting. The FMOJ has concluded work on the Bill and FEC granted approval on the 20<sup>th</sup> March, 2019.
- \* The FEC had approved the Bill and directed the Honourable Attorney General of the Federation and Minister of Justice to transmit the Bill to National Assembly for enactment into law.

### **3. NIGERIAN INSTITUTE OF MINING AND GEOSCIENCES (NIMG), JOS BILL**

- \* The Nigerian Institute of Mining and Geosciences (NIMG), Jos was established in 2007. The Institute had been operating without an enabling law despite previous unsuccessful efforts to pass the Bill into Law. However, the NIMG Bill was eventually resuscitated and sponsored by Honourable Suleiman Yahaya Kwande as Private Bill. The Bill has finally been passed into law by the 8<sup>th</sup>

National Assembly on the 10<sup>th</sup> July, 2018 and it was **assented by Mr. President on the 12<sup>th</sup> November, 2018**. A gazetted copy has been forwarded to the Ministry for its records.

#### 4. NIGERIAN METALLURGICAL INDUSTRY BILL

- \* The Nigerian Metallurgical Industry Bill is a Bill for an Act to provide for the regulation and effective monitoring of Metallurgical activities in the Mines and Steel Sector, Metallurgical Inspection and Raw Materials Development in Nigeria and for other related matters.
- \* The Bill was first presented in the 7<sup>th</sup> National Assembly and represented in the 8<sup>th</sup> Assembly where it passed 1<sup>st</sup> and 2<sup>nd</sup> reading and was awaiting public hearing when the 8<sup>th</sup> National Assembly rounded up without passing the Bill into Law.
- \* However, upon fresh engagement with the clerk of the Senate committee on Solid Minerals, Steel development and Metallurgy sometime in August 2019, we have been advised to re-present the Metallurgical industry Bill to the 9<sup>th</sup> National Assembly as an Executive Bill for speedy legislative action. The process of engaging a consultant to draft the Bill started by the Ministry but during the recent MTB meeting the project was step down.

#### 5. METALLURGICAL TRAINING INSTITUTE, ONITSHA, BILL

- \* Presently, the Metallurgical Training Institute, Onitsha has no enabling law as a legal framework regulating the activities of the institute. The Institute in 2007 came up with a draft Bill which was reviewed and sent to FMOJ for vetting and was subsequently approved by the FEC and sent to the National Assembly but regrettably the Bill could not see the light of the day.
- \* The Institution presented a draft Bill to the Honourable Minister for consideration and same was reviewed and transmitted to the Federal Ministry of Justice for vetting.
- \* After legal drafting processes by the FMOJ the Ministry presented the Bill to FEC and it was approved recently.

#### 6. MINING ACTIVITIES IN KAMPANI ZURAK, JOS

- Some Illegal Mining activities at Kampani Zurak in Wase Local Government Area, Plateau State led to the arrest, detention and criminal charge of **illegal mining** against Alhaji Abdullahi Adamu Usman (A.K.A. Dan China), the Managing Director/CEO of **Solid Unit Nig. Ltd** and 25 others (including Chinese nationals). Since August 2017 the mining sites was shut down, till recently when the matter was withdrawn from the Court for prosecution.
- Beside the criminal charge, the Solid Unit Nig. Ltd challenged the Ministry at the Federal High Court Jos of its refusal to issue them with **Mining Lease** after four years of their application. **On the 5<sup>th</sup> July, 2018** the court in Jos ordered the Honourable Minister and the Mining Cadastral Office to issue **Mining Lease**

to Solid Unit Nig. Ltd **within 7 days** from 5<sup>th</sup> July, 2018, in line with the provisions of Regulation 57 (21) of the Nigerian Minerals and Mining Regulation 2011.

- However, there was an **appeal for amicable settlement of the matter out of court** by the company and sequel to that the Ministry received a letter from the office of the Vice President Prof. Yemi Osibanjo SAN, GCFR on the matter and requesting for review of the matter, Ministry resolved to settle the matter amicably out of court in order to ensure **justice and fairness** and to **promote** the diversification of the economy. This was done at a joint internal/management meeting held at the Hon. Minister of State's office on the 20<sup>th</sup> September, 2018 between the Hon. Minister of State, Permanent Secretary, Director Legal Services (and his assistant), DG MCO (and his Legal Adviser) and Director Mines Inspectorate. At the meeting, the matter was **reviewed** vis-à-vis the economic **implication** of shutting down the Mining site in question **indefinitely**. There was the need to promote activity in the Sector and to create employment and generate revenue for the Government.
- Finally, the position of the Ministry was communicated to the Honourable Attorney-General of the Federation and Minister of Justice for **his guidance**, in view of the pending criminal charge instituted and prosecuted by his office. The HAGF approved the terms of the settlement and parties had already finalized the settlement and Mining Lease was issued to the Company while the company withdrew all pending cases against the Ministry.
- But recently the House of Representative resolved and passed resolution that the matter be halted till an adhoc Committee report in six weeks. They have urged the Honourable Minister of State, Honourable Attorney-General of the Federation and National Security Adviser not to proceed further.

## 7. AJAOKUTA AND NIOMCO CONCESSION

- \* Pursuant to FGN Privatization policy in 2004, both Ajaokuta and NIOMCO were concessioned to Messrs. Global Infrastructure Nigeria Limited (GINL) in August, 2004 and February, 2005 respectively.
- \* The concessions were for a period of ten (10) years each for the rehabilitation, completion, management and operation of both entities.
- \* Both Concessions were terminated by the FGN due to Plant cannibalization, assets stripping and inability to import the required finance as per the contract, amongst others.
- \* In April, 2008 GINL filed a request for arbitration with the ICC Secretariat, London for wrongful termination of the Concessions.
- \* However, FGN opted for mediation and Mr. Phillip Howell-Richardson was appointed Mediator by the ICC.
- \* The parties met three times which resulted in a "Settlement Agreement" dated 1<sup>st</sup> May 2013 and subsequently led to A 7 year Modified Concession Agreement (MCA) signed on 1<sup>st</sup> August, 2016.



- \* By the MCA, FGN will recover the control of Ajaokuta and give NIOMCO back to GINL but on different terms. However, certain conditions precedent needed to be fulfilled including the determination of all existing contracts in NIOMCO before ASCL will fully revert back to FGN. The conditions are yet to be satisfied.
- \* Inability of the FGN and GINL to fulfil certain conditions precedent led to the delay in finalizing the concession agreements.
- \* From legal perspective, Ajaokuta and NIOMCO are now been encumbered pending the final conclusion of the Arbitration.
- \* The relevant Departments directly in charge of Metallurgical and Steel will give comprehensive briefing on the matter.

### A3. PENDING CASES IN COURTS

- \* We currently have about 39 pending cases in various Superior Courts of record throughout the Federation including the Supreme Court and Court of Appeal.
- \* The status of the cases is herewith attached to this briefing as **ANNEXTURE A**, please.

### A4. ACHIEVEMENT OF THE UNIT

- \* We initiated the review of some legal framework regulating the Mining sector among which are;
  - Nigerian Minerals and Mining Act, 2007;
  - Explosives Act, 1964;
  - Metallurgical Training Institute, Onitsha Bill. Etc.
- \* On court cases, we have recorded modest achievements by securing favourable judgments from trial and Appellate Courts in more than (10) ten cases from 2017 to date. Other cases are at various stages and are been diligently prosecuted with the support of management and improved funding.
- \* Expeditious preparation and execution of Commercial Contract Agreements; Bilateral and Multilateral Agreements, Consultancy Agreements, Memorandum of Understanding and other Memoranda for and on behalf of the Ministry.

### A5. CHALLENGES/WAY FORWARD

- \* The successes recorded by the unit are not without challenges. Some of these challenges are as follows:
  - **CAPACITY BUILDING:** There is the need for our lawyers to attend further continuing **legal training through workshops**, seminars and conferences; locally and internationally, especially in the area of mining since it is an emerging area of law in Nigeria.

- **LEGAL PRACTICE MATERIALS:** Law practice has gone digital, there is need for constant updating of practice materials by virtue of the dynamism of law practice. Equipment such as Laptops, I-pads and other necessary legal software and Law reports/books are indispensable in modern legal practice.

**FUNDING OF COURT CASES:** We have cases all over the Country in various Courts; including the Supreme Court. **Litigation is expensive** and require attendance of counsel at every adjourned dates till the final determination of the case. Therefore, timely payment of travel expenses of counsel is necessary to ensure diligent prosecution to avoid default judgment against the Ministry arising from failure to attend court on adjourned dates.

## **B. PRESS AND PUBLIC RELATIONS UNIT**

The following programmes/ activities were covered and aired by the Press Unit of the Ministry:

- Airing of Documentary; “Mining in Nigeria” on NTA and Channel Televisions from January to October, 2019 were successfully anchored by the unit;
- Training of some staff of the Ministries and Departmental Agencies (MDAs) on Nigeria Mineral Resources Decision Support System (NMRDSS) on January 17, 2019 at the Digital Bridge Institute, Abuja;
- Launch of the Revenue Optimization and Verification (R.O.V) Project by the Hon. Minister on January 22, 2019 in the Minister’s Conference Room;
- Project Presentation of Mineral Sector Support for Economic Diversification Project (MinDiver); a World Bank Project assisted project on January 25, 2019 at Chida Hotel Events Centre, Abuja;
- The Honourable speaker of the House of Representative, Rt. Hon. Yakubu Dogara and the Honourable Minister of State, on official visit to the Ajaokuta Steel Company Limited (ASCL) on February 13, 2019;
- Policy and Capacity Building Workshop for a Successful and Sustainable Mining Sector-II held from February 19 to 20, 2019 at Ibeto Hotel Limited, Apo, Abuja;
- 2nd International Conference on Lead Poisoning Associated with Artisanal Mining in Nigeria, with Special Focus on Prevention held from June 26 to 27, 2019 at the Nicon Luxury Hotel, Abuja;
- Sensitisation/Consultation with Nigerian Economic Summit Group (NESG)/Industry Stakeholders in the Mining Sector on July 10, 2019 at the Lagos Court of Arbitration International Centre. Lekki, Lagos;
- Inauguration of the Ministry’s Ministerial Delivery Unit (MDU) of the Economic Recovery Growth Programme (ERGP) on July 12, 2019 at the Minister’s Conference Room, Abuja;

- Presentation of letters of engagement on research collaboration and development to 11 tertiary institutions on July 25, 2019 at the Minister's Conference Room, Abuja;
- Sensitization/ Awareness Campaign on Gender Mainstreaming in the Mining Sector with the Theme: Promoting Women in Mining Towards Shared Mining Prosperity held on August 2, 2019 at Umuoghara, Ezza North L.G.A. Ebonyi State;
- Maiden edition of a National Stakeholders' Discourse on Opportunities and Challenges of Artisanal Mining in Nigeria held on August 6, 2019 at Rockview Hotel, Abuja;
- Donation of Toyota Hilux to Miners Association of Nigeria (MAN) on August 6, 2019;
- Steel Summit: Lagos- Diversification of the Nigerian Economy; The Indispensable Role of Steel industry- August 9-10, 2019;
- Nigeria Metallurgical Industry's Stakeholders Forum (MISF) with the theme; Nigeria's Economic Growth: Industrial Development Through Value Addition in the Metal Sector- Sept 4-5, 2019 at NAF Conference Centre, Abuja;
- Mineral Resources and Environmental Management Committee, (MIREMCO) has organized a sensitization meeting between miners and host communities in Bwari Area on September 7, 2019;
- Visit of the Permanent Secretary, Dr. Abdulkadir Mu'azu to Nigerian Institute of Mining and Geosciences (NIMG), Jos on September 19, 2019;
- Visit of the Permanent Secretary, Dr. Abdulkadir Mu'azu to National Metallurgical Development Centre (NMDC), Jos on September 19, 2019;
- Presentation of Industrial Roadmap of Nigeria held on September 24 - 25, 2019 at Shehu Musa Yar'adua Center, Abuja;
- Courtesy visit to the Minister of State, Mines and Steel Development, Hon. Abubakar Bawa Bwari by Quarry Owners Association on September 27, 2019;
- 2<sup>nd</sup> Meeting of the National Council on Mining and Mineral Resources Development (NCMMRD) in Kaduna with the theme: Mineral and Metal

Sector: Frontier for National Economy Diversification- October 2-4, 2019, held at Hotel 17, Conference Hall Kaduna;

- Bitumen Exploration Project Presentation by Lakel Afrik Petroleum Limited at the Ministry on October 10, 2019;
- 3<sup>rd</sup> annual mining week held at the Nigerian Airforce Conference Centre (NAF), Abuja on October 18, 2019;
- Retreat on Mining Governance for Chairmen of Mineral Resources and Environmental Management Committee (MIREMCO) held at Barcelona Hotel, Abuja on October 23, 2019;
- The Investiture Ceremony of Newly Elected Fellows of the Nigerian Institute of Town Planners, held at NAF Conference Centre and Suites on October, 30, 2019;
- Nigeria-Canada Investment Summit 2019 with the Theme, Fostering Strong Business Partnerships into the Future held from November 5-6, 2019 at Yaradua Center, Abuja.
- A Retreat on Mines Pollution Control (MPC) for Staff of Mines Environment Compliant Department held on November 7, 2019 at Keffi Hotel, Nasarawa State;
- Courtesy Visit to the Minister of State, Hon. Abubakar Bawa Bwari by Quarry Owners Association of Nigeria, FCT Chapter on November 16, 2019;
- Five-day Capacity Building Workshop for Special Mines Surveillance Task Force (SMST) on Illegal Mining in Nigeria organized by the Ministry at the Nigeria Institute of Mining and Geosciences Hall, Jos, Plateau State held from November 19-23, 2019;
- Mineral Resources and Environmental Management Committee (MIREMCO) meeting with mining stakeholders from Kwali, Kuje and Gwagwalada Area Councils on November 30, 2019;
- National Integrated Mineral Exploration Project (NIMEP)- One Day Inception Meeting and Presentation of Project Activities of the National Integrated Mineral Exploration Project, held on December 4, 2019 at Barcelona Hotel, Wuse II, Abuja;

- AGJES 2019 Edition of African Gems & Jewelry Exhibition and Seminar (AGJES) held from December 6-7, 2019 at NAF Conference Centre, Kado, Abuja;
- Handing Over Ceremony held at the Ministry's Headquarters, Abuja on December 12, 2019;
- Courtesy visit of the Executive Governor, State of Osun, Governor Adebayega Oyekola to the Minister of State, Hon. Abubakar Bawa Bwari on December 18, 2019.

## **C. INTERNAL AUDIT UNIT**

The Department is responsible for the auditing of all revenue and expenditure books of accounts and records of the Ministry in order to ensure that they conform to rules and regulations. It reports directly to the office of the Permanent Secretary with copies to Office of Accountant General of the Federation and Office of Auditor General for the Federation in order to enjoy independence according to Financial Regulations Chapter 17

### **C.1 STAFF OF INTERNAL AUDIT:**

The Unit have the staff strength of eight (8) headed by a Deputy Director.

### **C.2 ACTIVITIES AND DUTIES OF INTERNAL AUDIT:**

- i. **Audit of Books of Accounts and Records:** The Department performs daily audit of books of account and records to ensure compliance with laws governing collection and remittance of revenue. Also, the department carries out comprehensive audit of the ministry's systems of controls and expenditure to give assurance to management of the activities of the ministry's extant circulars including Treasury circulars and Provisions of Financial Regulations/PSR
- ii. **Annual Audit Programme:** The audit programme for this year is being prepared and will soon be forwarded to Permanent Secretary for approval and implementation.
- iii. **Audit of Revenue Books:** The Department performs the audit of revenue generation in all the state offices of the Federation after obtaining approval from the Accounting Officer. The memo for the monitoring exercise for the last two quarters of 2019 will be forwarded to Permanent Secretary as soon as the ministry start getting allocation from 2020 budget year.
- iv. **Special Audit:** The Department performs special audit inspection when the need arises in accordance with the extant rules and audit guidelines after obtaining approval from the accounting officer.



- v. **Reports:** The Department Renders Monthly, Quarterly, half yearly and Annual report of operational and Financial Activities of the Ministry, as well as Quarterly Report of revenue generation and remittances to the Accounting Officer while copying the Accountant General of the Federation and Auditor General for the Federation. These reports have been rendered up to Sept, 2019 except revenue monitoring that is still in arrears.

#### **C.5 CHALLENGES:**

- i. Timely and consistent audit monitoring should be adequately funded to put field officers at alert in discharging their responsibilities effectively.
- ii. Inadequate office equipment and materials.
- iii. Insufficient funds to execute the programmes as approved for the Unit.

**PROGRAMMES AND  
ACTIVITIES  
IMPLEMENTED *BY*  
AGENCIES**

## 1.0 THE NIGERIAN INSTITUTE OF MINING AND GEOSCIENCES (NIMG), JOS

The Nigerian Institute of Mining and Geosciences, (NIMG) Jos was established in 2007 as a Centre of Excellence in the Post Graduate Diploma and Skills training of Mining Engineers, Geoscientists and Artisans respectively and officially Gazetted as an Act of the National Assembly No. 148 dated 19<sup>th</sup> November, 2018 as “**Nigerian Institute of Mining and Geosciences, Jos (Establishment, Etc.) Act. 2018**”. NIMG has facilities required for the Initial take-off for training, research and acquisition of practical skills in all aspects of mineral resources development.

### NIMG is involved in:

- **Practical Postgraduate Training Programmes**
- **Research and Development**
- **Delivery of Short-Term Courses for stakeholders**
- **Extension Services**
- **Consultancy Services**

### 1.1 OUR MANDATE AS SPELT OUT IN NIMG BILL

- (a) provide courses of instruction, training and research in Geosciences and Mining and produce technicians and such skilled personnel normally required for the Mining and related industries;
- (b) provide for both the public and private sectors alike, laboratory services for rock and mineral identification, sampling and mineral beneficiation, mineral and metallurgical analysis;
- (c) sponsor educational programmes pertaining to geosciences, mining, processing technologies, production techniques, mining and geosciences management, safety and other mining related issues;
- (d) disseminate to the public and industries any results of the research or studies in developments pertaining to mining, processing and geosciences;
- (e) offer consultancy and technical services in geosciences, mineral processing and mining to public and private establishments engaged in mining and related industries;

- (f) conduct research in mining, quarrying and related industries;
- (g) collaborate with other similar institutions within and outside Nigeria for the realization of its mandate;
- (h) conduct and participate in conferences, symposia, seminars, lectures, training courses and similar study arrangements as may enhance the activities of the Institute;
- (i) provide skilled training for the Artisanal and Small-Scale Mining operators

## 1.2 DEPARTMENTS

### 1.2.1 ADMINISTRATION DEPARTMENT

The report covers the activities of the following units in the Department; General Services, Human Resources & Establishment, Staff Welfare & Hospitality, Admin Permanent site campus, Stores, Works and maintenance.

#### ➤ HUMAN RESOURCES UNIT

In the period under review, below are the highlight of activities that were either carried out or facilitated by the Unit:

- i. Documentation of the 24 New Staff engaged as replacements for staff who had left the Institute;
- ii. Administration of staff leave requests, requests for further study, et cetera;
- iii. Completion of the 2019 Manpower Budget of the Institute for onward transmission to the Office of the Head of Civil Service of the Federation (OHCSF), Abuja;
- iv. Generation of NIMG's lists of IPPIS Role Players and Directorates / Departments / Units / Sections for submission at the OHCSF in view of the Implementation of the Human resource (HR) Modules of IPPIS;
- v. Compilation of lists of job applicants generated through unsolicited applications submitted by members of the public between the years 2018 and 2019 for management's perusal;
- vi. Collaboration with other relevant offices on the administration Federal Mortgage Bank of Nigeria (FMBN)'s Home Renovation Loan Forms delivered to the Institute in the year for the benefit staff contributors into the scheme;
- vii. Implementation of the 2018-Capital Project of the One-week Human Capital Capacity Building Training of one hundred and forty-two (142) staff of the Institute which was successfully carried out at the New Keffi Hotel, Keffi, Nasarawa State between 24th and 30th March, 2019; The training was facilitated by Geocardinal Engineering Services. At the end of the training,

- certificates were issued to participant and laptops to senior staff. The training was successful.
- viii. Participation at the IPPIS Training and familiarization with the portal in connection with the use of Access Right granted to the Institute;
  - ix. Being part of the trip of the team to the Office of the Head of Civil Service of the Federation (OHCSF), Abuja, for defense of the Institute's 2019 Manpower Budget Proposal on 17th April, 2019;
  - x. Being part of the team that met with the HR-Module Officers of OHCSF to know the status of NIMG as per the implementation of its Nominal Roll, lists of IPPIS Role Players; Directorates / Departments / Units / Sections earlier submitted (as requested) for upload onto the Human Resource (HR) Module of IPPIS of the OHCSF's website on 17th April, 2019;
  - xi. Being part of the team which went to the Abuja office of the Federal Mortgage Bank of Nigeria (FMBN) for submission of Home Renovation Loan Forms of the NIMG staff on 17th April, 2019;
  - xii. Being part of the Institute's representatives at the IPPIS Stakeholders' Retreat organized by the Office of the Accountant General of the Federation (OAGF), Abuja from 29th to 30th April, 2019;
  - xiii. Implementation of corrections and updates on the NIMG's HR-Function / Assignment on the IPPIS's Platform as might be directed from time to time;
  - xiv. Sorting of unsolicited job applications in line with the management's directive with a view to generating list of relevant applicants for management's perusal;
  - xv. Being part of reception and hosting arrangements for the OHCSF's delegates to the Institute for drafting of Scheme of Service, Condition of Service and Organisational Structure for the Institute
  - xvi. Re-submission of required documents i.e. the Institute's Nominal Roll, lists of Names of IPPIS Role Players; Directorates / Departments / Units / Sections earlier submitted (as requested) for upload into the Human Resource (HR) Module of IPPIS of the Office of the Head of Service of the Federation (OHCSF) server to relevant desk officers of OHCSF as directed;
  - xvii. Implementation of corrections and updates on the NIMG's HR-Function / Assignment on the IPPIS's Platform as might be directed from time to time;
  - xviii. Being part of secretarial in the Interview Exercise conducted for applicants of academic and non-academic vacant positions in the Institute from 23rd to 24th May, 2019;
  - xix. Implementation of updates on the NIMG's HR-Function / Assignment on the IPPIS' Platform as might be directed from time to time;
  - xx. Organisation / conduct of Induction Exercise for the New Staff who assumed duty in January, 2019 and assistance in the delivery of the lecture paper

prepared by the HOD (Administration) on the Public Service Rules (PSR) for the inductees;

- xxi. Population of the OAGF's template format for compilation of the MDA's outstanding promotion arrears for the years 2016 to 2017 for NIMG staff and forwarding of same (with the audited and authorized hard copies) to the Institute's Head (Admin.) and Senior Accountant (Finance) for submission at the OAGF, Abuja;
- xxii. Compilation and release of names of staff who are eligible for the Year 2019 Promotion, as directed by the Head of Administration;
- xxiii. Compilation of documents required by the Federal Mortgage Bank of Nigeria (FMBN) in respect of Home Renovation Loans which some staff applied for and forwarding of same to the Bank through the Institute's Liaison Officers.
- xxiv. Rendering secretarial services at the meeting of the Senior Staff Committee on Appointment, Promotion & Discipline.
- xxv. Furnishing the Senior Staff Committee on Appointment, Promotion & Discipline with necessary information and materials required for the conduct of the Year 2019 Promotion Examinations at the Institute.
- xxvi. Representation of HR Unit of the Institute at the Workshop Organised by the Budget Office of the Federation (BOF) for MDAs' Desk Officers on GIFMIS Budget Preparation Subsystem at Abuja.
- xxvii. Implementation of updates on the NIMG's HR-Function / Assignment on the IPPIS' Platform as directed from time to time;
- xxviii. Rendered secretarial services at the meeting of the Senior Staff Committee on Appointment, Promotion & Discipline on 2nd September, 2019;
- xxix. **NIMG Workforce:** As at December, 2019, the Institute's staff strength stood at One Hundred and Sixty-Three (163), i.e. 106 Senior Officers and 57 Junior Staff.
- xxx. In the month, below are the highlights of activities that were either carried out or facilitated by the Human Resource Management Unit of the Administrative Department:
- xxxi. Implementation of the Year 2019 Promotion Approval;
- xxxii. Submission of the Institute's "Request for Payment of Backlogs of Staff Benefits / Entitlements" at the Federal Ministry of Finance, Abuja;
- xxxiii. Submission of some staff's Personal Files, as part of procedure for processing correction of "Date of Appointment" at the Office of the Head of the Civil Service of the Federation (OHCSF), Abuja;
- xxxiv. Visitation to Accountant General of Federation's Office for submission of some Institute's letters and follow-up of others, especially the HR-IPPIS related submissions, as directed.

➤ **MEDICAL UNIT REPORT**

The unit has the following Medical personnel;

**A. STAFF STRENGTH**

- Medical Doctor -1
- Assistant chief Nursing Officer -1
- Medical Records -1
- Hospital Assistant -2

**B. CORPER**

- Medical Laboratory Scientist -1
- Medical Microbiologist -1
- Accountant - 1(Cashier)-1
- Nurse/Midwife -1
- Business Administration -1(Cashier)

**C. VOLUNTEERS**

- Nurse/Midwife -6
- Nurse (RN) -2
- CHEW -2
- Laboratory Technician -1
- Pharmacist Technician -1
- J-CHEW -1
- Theatre Assistant -1

➤ **SUBMISSION OF POST GRADUATE DIPLOMA COMPLETED FORMS**

22 completed post graduate diploma forms have been submitted for the 2018/2019 academic session. A date has been fixed for the evaluation of the completed admission forms scheduled for 7th March, 2019. The University of Jos has been contacted to send their representatives for the exercise.

The Department received six (6) more completed application forms after the screening exercise. The submissions were updated bringing the total number of submitted forms to thirty (30). The Institute has written a letter to the Vice Chancellor University of Jos for his approval for the admissions to be issued.

➤ **SCREENING OF PGD ADMISSION FORMS FOR 5<sup>TH</sup> SET**

The screening committee of the 2018/2019 Post graduate diploma admissions met on Thursday 14th March, 2019. The Committee comprised of Director General/CEO, Heads of Department of Training & Research, Extension Services & Development, Administration and the Dean Faculty of Engineering University of Jos, Head of Department, Geology and Mining, University of Jos, Head of Department of Mining Engineering. The committee screened a total number of twenty-four completed forms



out of which 22 submissions were considered for the admissions. The Committee also reviewed the file of a student who deferred his admission last session and discovered the applicant had met all requirements for 2018/2019 academic year. The Committee also agreed that the Institute could forward more submissions to the University for those applicants that were yet to submit their applications.

➤ **2018/2019 PGD ADMISSIONS FOR 5<sup>TH</sup> SET**

The Institute received approval for the 2018/2019 admissions from University of Jos to offer admissions into the Institute's fifth set. Based on the approval received, an emergency academic board meeting was convened on 22<sup>nd</sup> May, 2019. During the meeting it was agreed that texts messages should be sent out to the prospective students informing them that registration would commence on 17<sup>th</sup> June, 2019. The department had sent out texts messages and there have been responses on the payment of acceptance fee.

➤ **2018/2019 PGD REGISTRATION FOR 5<sup>TH</sup> SET**

The unit has registered (23) post graduate diploma students so far. The breakdown is as follows;

1 Student in Minerals Engineering

6 Students in Mineral Exploration

17 Students in Mining Engineering

The students have settled down and lectures have commenced fully. Their identity cards have been processed and issued to them.

➤ **SALES OF PGD FORM FOR 6<sup>TH</sup> SET**

Sale of 6<sup>th</sup> set of PGD application form had begun after advertisement in December, 2019

➤ **PROCESSING OF SCHOOL OF MINES CERTIFICATE**

The department processed some certificates for the past students of defunct Federal School of Mines, Jos now ready for collection.

➤ **GROUP LIFE ASSURANCE**

The unit was in Abuja to follow up on group life request for a deceased staff that was submitted to the OHCSF. The request has been purposed and currently awaiting the

release of funds. The unit will also process some other requests for deceased staff and will be submitted to OHCSF as soon as possible.

➤ **PENSION ADMINISTRATION**

The unit has informed the newly replaced staff to register with Pension Fund Administrators for the remittances of their retirement savings in line with the Pension Reformed Act of 2004.

➤ **NHIS REGISTRATION FOR NEW STAFF**

The unit has informed all staff that resumed in January to go for capturing/registration with the National Health Insurance Scheme (NHIS) after which they would have to wait for a period of three (3) months before they would be able to access medical care.

➤ **VISIT BY THE HONOURABLE MINISTER OF STATE**

The unit was involved in the preparations of the Minister's visit with his entourage on 14<sup>th</sup> November, 2019. Accommodation was arranged for thirty-one (31) members of the Minister's entourage. The programme was successful.

➤ **PROCESSING OF STAFF TRAININGS**

During the month under review the unit processed three (3) requests for staff training. The invitations were sent from two different training Consultants. The process is ongoing and would ensure the Institute considers the most use of the relevant trainings.

During the month under review the Department nominated Miss Josephine Umaru (Principal Executive Officer II (GD)) to attend a training organized by the Anti-Corruption Academy of Nigeria (ACAN) on understanding and combating emerging trends in illicit financial flow and money laundering. The training was done on 10<sup>th</sup>-12<sup>th</sup> September, 2019 at Keffi, Nasarawa State.

➤ **EDUCATIONAL VISIT BY HND STUDENTS BAUCHI STATE COLLEGE OF AGRICULTURE**

The HND students of Department of Soil Science of the Bauchi State College of Agriculture visited the Institute on 19<sup>th</sup> November, 2019 for educational tour. They were received and taken to the Laboratories in Tudun wada campus and West of Mines. The visit was successful.

➤ **SENSITIZATION PROGRAMME ON ASSET DECLARATION FORMS**

The Institute hosted a team from Code of Conduct Bureau Jos office to sensitize Staff on how to fill the asset declaration forms which is mandatory for every civil servant. The exercise was attended by representatives from each Department, after which the forms were shared to all staff to fill and submit on or before Monday 16th September, 2019.

During the month under review, the unit carried out tasks as directed by the AD (Admin) which included the logistics for the 2019 promotion exercise, writing of both internal and external letters on specific matters, memos, circulars etc.

**CORPS MEMBERS:** The Institute presently has a total thirty-seven (37) corps members serving in the Institute and posted to relevant Departments.

**INDUSTRIAL ATTACHMENT:** During the month under review, eight (8) industrial training requests were accepted making a total of twenty-two (22) students embarking on industrial attachment. The students have been posted to the technical departments for their industrial training.

✓ **WORKS AND MAINTENANCE**

Sir, the activities that took place in the month of July, 2019 are as follows;

**1) WORLD BANK RENOVATION:** A physical measurement of the facilities to be renovated by the World Bank took place in the three campuses of the Institute. They selected some buildings of their interest from each campus and includes;

a) **TUDUNWADA**

- ✓ Mineral sample Lab
- ✓ Clinic
- ✓ Chemical analysis Lab
- ✓ NMC Lab
- ✓ Geology Lab
- ✓ Mineral processing Lab
- ✓ Class Rooms
- ✓ Security Post room and Toilet

b) **MCRC**

- ✓ Mill
- ✓ Mineral Processing Lab

c) PERMANENT SITE

- ✓ Lapidary
- ✓ Clinic
- ✓ Hostel

✓ **SECURITY UNIT**

During the month under review, surveillance visits were made to the three (3) campuses. The Yatcham security company ensured the number of guards were on their duty posts as presented below;

Tudun wada - 4:

MCRC - 5

P/SITE - 6

TOTAL = 15

✓ **STORES REPORT**

Updated stock inventory of stores has been compiled and submitted to DG/CE.

✓ **PERMANENT SITE CAMPUS**

The campus comprises of the following buildings; Admin unit, Skill Acquisition, Mining Engineering building (under construction), Student hostel, Researchers quarters, Medical center and Staff quarters.

The Admin unit has a total of twenty-two staff (22) comprising two (2) Senior Officers and twenty (20) junior officers who handles the general operation of the campus.

The unit regrets to announce the loss of one of its staff, Miss Amina Idris Nuhu.

The breakdown of the buildings of the campus is as follows;

**Skill acquisition building:** The building houses the Lapidary & Gemology unit together with the ICT center.

**Mining Engineering building:** The building is still under construction.

**Student hostel:** The building has sixty (60) rooms, eight (8) laundry rooms, twelve (12) toilets and bathrooms. The rooms designed to accommodate the Post graduate diploma students are currently being occupied by Staff and Corps members. The total numbers of rooms occupied are fifty-two (52) rooms while only eight (8) rooms are vacant. Some rooms were allocated to the newly employed staff based on the directive

of the Head (Admin) while two rooms were allocated to the new batch C corps members.

**Researchers' Quarters:** The researchers' quarters have six (6) self-contained rooms. The whole rooms are occupied by staff while two (2) rooms are under lock and key by two Officers; one is on leave of absence while the other is on deployment to Abuja.

**Medical Center:** The sick bay is now converted to Medical center while the reading rooms have also been converted to form part of the center. The center is now operational for both staff and the host community.

The campus was faced with the following challenges:

- Non-availability of vacant rooms in the hostel for the incoming Post graduate diploma students.
- Inadequate provision of consumables for the maintenance of hostel and offices.
- The gardening machines require maintenance.
- The water and sewage system requires maintenance and upgrading.

Suggestions for effective management and administration of the campus:

- All staff occupying the hostel rooms should be giving quit notices to vacate the facility to pave way for the incoming students to make the hostel serve its purpose.
- Funds should be made available for the overhauling of the gardening machines to serve during the raining season that.
- Consumables such as detergents, disinfectant, mopping stick, herbicide for the clearing of the interlocks etc should be made available in large quantities.

#### STOCK VERIFICATION UNIT

The report of the inventory of the buildings in the Institute has been completed and submitted to the Director General/CE through the AD (Admin). The inventory reports have been completed and the confirmation of the Stores has begun.

#### LEGAL UNIT

The Legal unit was created to act as Secretary to the unit, the unit has the responsibility of being secretariat to the Institute's Top Management meetings, drawing up legal documents, vetting legal processes, giving advice on all issues/processes that have potential legal implications and such other responsibilities as the Institute may give to the unit, or such deemed incidental to the above duties. The under-listed is a record of the Legal unit's activities for the period under review (January – June):

## **MANAGEMENT MEETINGS**

The Legal unit was Secretariat for all the meetings of the Institute's Top Management within the period under review.

## **INSTITUTE SECURITY**

Following the 91st meeting of the Institute Management wherein a resolution was taken on the issue of security, the Company (Syndicate Security Guards) has been formally disengaged with effect from 31st January 2019. Another security company (Yacham Security Services Ltd) has been briefed to take over provision of security services in the Institute with effect from 1st February 2019.

## **CONTRACT AGREEMENTS WITH YACHAM SECURITY SERVICES LTD.**

The Legal unit drew up Contract Agreement for the provision of security services with Yacham Security Services Ltd. The Agreement which has been signed by the Director-General/CEO and Legal Officer of the Institute as well as the representatives (Director & Secretary) of the Security Company in January, 2019.

## **INTERACTION WITH UNION**

The Legal unit was secretary to the meeting between Management and the executive members of Senior Staff Association of University Teaching Hospitals, Research Institutes and Allied Institutions (SSAUTHRIAI) which held on 12th February 2019.

## **ACADEMIC STAFF UNION OF RESEARCH UNION (ASURI)**

The National Secretary of ASURI on behalf of the Union made a request for the Institute Management's approval for Institute staff to be unionized by the ASURI. Based on Management's consideration of the request, the Legal Unit submitted an opinion to the Management on the Eligibility of the ASURI's operation in NIMG as well as the legal scope of the Union.

## **INSTITUTES' CONDITION OF SERVICE**

The Unit was part of the meeting held with officers from the Office of the Head of Civil Service of the Federation on 3rd April 2019 as part of preliminary discussions to kick-start the process of developing Condition and Scheme of Service for the Institute.

## **INSTITUTES' MoU WITH GEMOLOGICAL INSTITUTE OF AMERICA(GIA)**

The Unit forwarded the draft of the proposed Memorandum of Understanding to the DG/CEO for approval which was given. The Unit mailed the Memorandum of Understanding and relevant attachments to GIA Bangkok Campus on the 28th May 2019.

The Unit mailed the draft Memorandum of Understanding and relevant attachments to GIA Bangkok Campus on the 28th May 2019. The Institute is still awaiting a response to its mail.

### **COLLABORATION WITH ARGOSY GEMFIELD LTD**

The Unit drafted a Memorandum of Understanding with Argosy Gemfield Limited in respect of collaboration efforts in gem beneficiation trainings in August, 2019.

The Memoranda of Understanding with Argosy Gemfields Limited (for training on gem stone beneficiation) as well as Gemological Institute of America (for collaboration on gem stones data collation and other matters) were forwarded to the Director General in September, 2019.

### **INTERVENTION FUNDS PROJECT**

Of the three projects earmarked for use of the Intervention Funds allocated to the Institute by the Ministry of Mines & Steel Development (MMSD), the contract agreement for the Comprehensive Renovation of the Director-General/CEO's Residence has been drafted by the Legal Unit. The Contract was awarded to Valentino Resources Limited and the Agreement has been signed in August, 2019.

### **NIMG BILL**

The Legal Officer drafted a request for transmission of an assented copy of the NIMG Bill by the Legal Directorate of the National Assembly to the Institute. The letter was forwarded to the Liaison officer in Abuja for submission to the National Assembly in August, 2019.

The Institute has received copies of the Institute's Gazetted law from the Legal Directorate of the National Assembly. Copies of the Gazetted law have been forwarded to the Ministry of Mines and Steel Development (MMSD) in September, 2019.

### **❖ INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) UNIT**

ICT section is a unit in the Director General/ CEO's Office. The unit is responsible for

- Supervision of IT facilities in the three (3) Campuses.
- Maintenance of Internet Facilities.
- Installation and maintenance of System Software.
- Maintenance and repair of Computer Systems (Desktop & Laptop) and other ICT related items (Printer, monitor, keyboard etc).
- Execution of other IT related special projects.



## STAFF STRENGTH

The section has three (3) staff; two (2) permanent staff and one (1) NYSC member.

Below are the highlights of activities carried out by the ICT Unit for the month under review.

### A. SYSTEM MAINTENANCE:

- i. Installation of system software on laptops and desktops as requested by user departments/ Units.
- ii. Repair of one (1) faulty desktop system.

### B. OFFICIAL EMAIL AND WEBSITE

- (i) Received and sent some official documents on the institute's official Gmail account.
- (ii) Submitted the letter for reactivation of the Institute's domain name ([www.nimg.edu.ng](http://www.nimg.edu.ng)) to the Contractor handling the design of the official website.

### C. CBT CENTRE

- i. Mounted the CBT equipment in preparation for the visitation of the JAMB 2020 accreditation team.
- ii. The Accreditation team were received on the 18th November, 2020 and they were satisfied with the readiness of the Centre.
- iii. The Institute's CBT centre was satisfactory accredited for the JAMB 2020 examination exercise in December, 2019.
- iv. Participated in the JAMB Stakeholders meeting organised for all approved CBT centres at Zaria, Kaduna State in December, 2019.

### D. SPECIAL PROJECTS:

- a) **Third Party Training:** Rendered support service during the use of the Institute facility for a one-day training organised by JAMB.
- b) Rendered support service during the Honourable Minister of State's working visit to the Institute on the 14th November, 2019.
- c) Rendered support service during the matriculation ceremony of the 5<sup>th</sup> set of Postgraduate students.
- d) Participated in the maiden edition of NIMG Staff award ceremony.

## DIRECTORATE OF TRAINING AND RESEARCH

### INTRODUCTION

The report highlights the major achievements recorded in the directorate, the challenges facing the directorate within the period under review, and suggested some way forward that will ensure maximum achievements are recorded in the future.

#### 1.0 STUDENT ACTIVITIES

4<sup>TH</sup> Set of PGD students are preparing for their final project defence.

5<sup>th</sup> Set of PGD students are preparing for their 1<sup>st</sup> semester examination.

6<sup>th</sup> Set of PGD student's admission form already advertised and admission processes is currently going-on;

**Table 2: Sets of Students Produced from Inception**

SET	MINING ENGINEERING	MINERALS ENGINEERING	MINERALS EXPLORATION	TOTAL
1 <sup>ST</sup> SET	13	7	14	34
2 <sup>ND</sup> SET	9	5	8	22
3 <sup>RD</sup> SET	21	10	3	34
4 <sup>TH</sup> SET	23	-	5	28
5 <sup>TH</sup> SET	17	1	6	24
6 <sup>th</sup> SET	ADMISSION PROCESS IN PROGRESS FORMS ALREADY ADVERTISED			
<b>TOTAL</b>	<b>80</b>	<b>23</b>	<b>36</b>	<b>142</b>

### 3. EXAMINATION UNIT

Computation and compilation of 2017/2018 academic year result (4<sup>th</sup> Set) is completed.

Preparation for convocation of first to third sets of students who have graduated from the Institute with the University of Jos.

#### 4.0 INDUSTRIAL TRAINING OFFICE

The IAT 313 result was compiled in May and it is ready

#### 5.0 MINERALS ENGINEERING

There are no students in the Department, however, work had commenced on the development of lecture materials for the intended National Diploma (ND) programme in view.

Research on Filin Kokuwa gold deposit is being undertaking

#### 6.0 GEOSCIENCES DEPARTMENT

The following activities were carried during the period under review;

- Resumption of new Staff
- Development of the course material for the proposed ND program
- Working on the proposal for research in mineral exploration
- Participating in the 2019 summit organized by Guideline Geo AB and NGSA on ABSM LS2 Terrameter system and GPR- MALA equipment, Participants are Adegbuyiro Adeola and Ali Moh'd Aliyu,
- **NHF Form:** Two forms were allocated to the Department
- Geological fieldwork to Rimi Zayan/polchi in Bauchi state on 15<sup>th</sup> march 2019
- Field work was carried out at gada biyu in Toro local government in Bauchi state on 16<sup>th</sup> April, 2019.
- Field trip to Kwachehiyal and Naputa sutumi was carried out in May, 2019
- Academic Board Meeting was held on 18<sup>th</sup> June, 2019
- Presentation of Academic Calendar and Lectures timetable for First and Second Semester (fifth Set of PgD Students).
- Preparation of the self-study document for approval to mount the New National and higher National Diploma programme in NIMG.
- On 27<sup>th</sup> September, 2019, Mr Abraham (our former Student) came to the Institute Permanent Site along Miango Road and demonstrated the use of latest ABEM Terrameter to some members of Staff of the Department
- Excursion of students of the Federal college of Agriculture, Bauchi to the department.
- Six students were matriculated into the Department on 3<sup>rd</sup> December, 2019.
- Participation in the committee that is working on the mounting of ND Programme in Gemmology and Lapidary.

## 7.0 MINING ENGINEERING DEPARTMENT

On the 11<sup>th</sup> of February, 2019, the department received a form from the Federal Mortgage Bank of Nigeria for house renovation loan through the Directorate of Training and Research.

On Friday 15<sup>th</sup> march 2019, four staff of DOT namely, Engr. Bwala Markus, Mr Adeola A., Mr Patrick J. and Abdulrahman S undertook a fieldwork at Rimi Zayan and environs to appraise the Geology of the Area.

Three members of the institute in persons of Engr. Dikko Dalhatu, Mr Jokah F. U and Mr Patrick J. attended the NMGS annual international conference and exhibition tagged coal city 2019 which was held at Golden Royale Hotel, Enugu, South Eastern Nigeria from 17<sup>th</sup> - 23<sup>th</sup> march, 2019

Continuation of Geological mapping of Rimi Zayan and environs was carried out during the period under review.

5<sup>th</sup> set of admitted students have commenced lectures on 17<sup>th</sup> of June 2019 and are now set to write their 1<sup>st</sup> semester examination in 2<sup>nd</sup> week of January, 2020

A total of sixteen students were matriculated into the Department on the 3<sup>rd</sup> of December, 2019.

## 8. LIBRARY UNIT

The Library Unit was opened to both staff and students throughout the year under review and online catalogue for its holdings was launched, it is live on the internet and could be accessed through the following link, by registered members:  
[www.nimgelib.librarika.com](http://www.nimgelib.librarika.com)

A library of congress classification scheme should be made available in the Library.

## 9. LABORATORY REPORT FOR THE MONTH OF JANUARY - DECEMBER, 2019.

Apart from the regular training of students for their practical, the Laboratory continued to render services to mining and mineral processing industries within the period under review. The summary of revenue profile from January to June, 2019 is shown in the table below:

Table 1: Summary of Revenue Generated by Chemical Laboratory

MONTH	AMOUNT GENERATE
January	129,150.00
February	211, 000
March	305,500
April	186,000
May	422,650
June	306,000
July	281,000
August	150,000
September	202,000
October	209,600
November	200,500
December	322,500
<b>TOTAL</b>	<b>2,714,900.00</b>

#### □ DIRECTORATE OF EXTENSION SERVICES & DEVELOPMENT

The Directorate of Extension Services and Development end of year 2019 report is as outlined below.

##### A. Introduction

Directorate of Extension Services continued to carry out its routine functions of providing essential services to the Mining Community in addition to lectures of 4<sup>th</sup> & 5<sup>th</sup> set of PgD students and supervision of Student Industrial Attachment Work Scheme (SIWES), Projects, marking of examination scripts, assignments/tutorials and facilitation of educational field trips to mining sites both locally and internationally during the period under review.

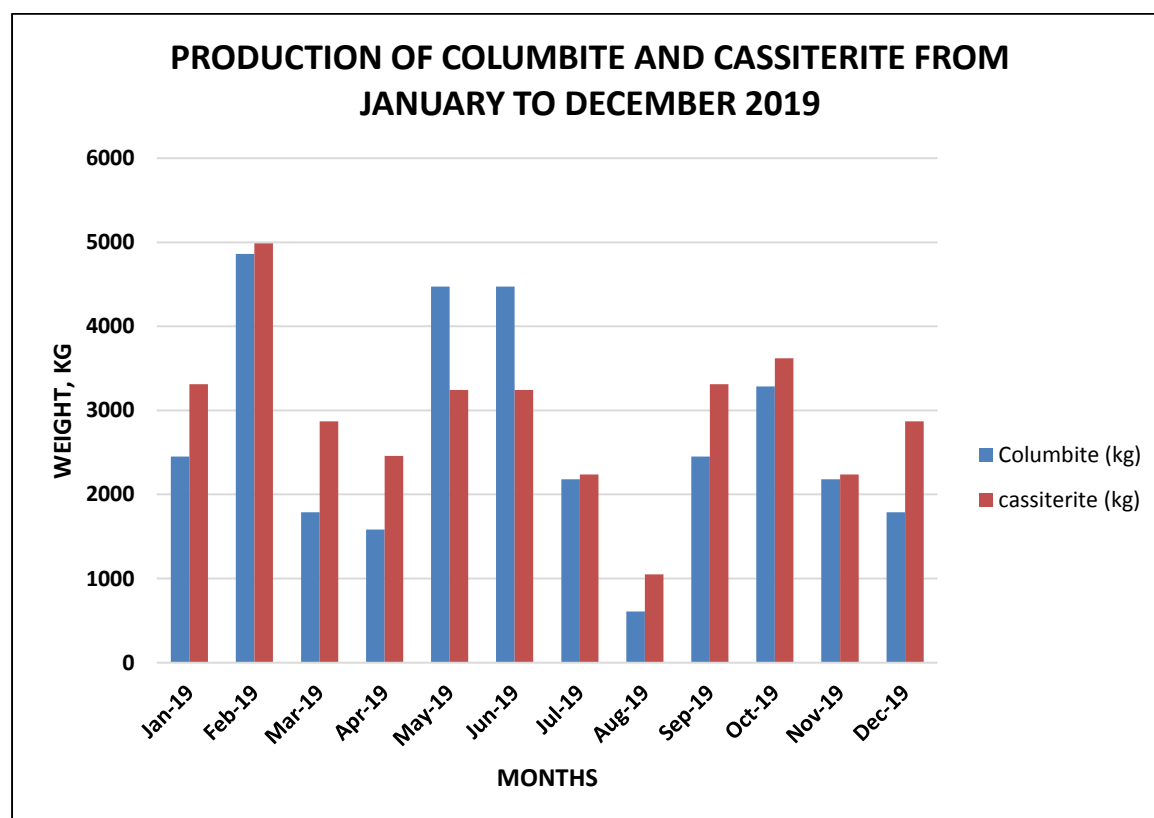
##### B. Mineral Processing Mill

The Mill rendered physical separation services to the Mining Community using the Exolon, 2Nos. Low and High Intensity Magnetic Separators, 2nos. 2 Nos. Air-float Tables and Vibro-Sieves. The Mill processed pre-concentrate of Heavy Minerals sand

and recycled old mill tailings with a total dry weight of **152,703 kg** before separation; these were made up of processed Cassiterite of **35,449 Kg** and Columbite **32,121 kg** while **55,415 kg** reported as tailings. For easy reference, the production and revenue records for January to December, 2019 are presented in table 1 and figure 1 and below respectively.

**Table 1:** Production Record January to December, 2019

Months	Columbite (kg)	cassiterite (kg)	Preconcentrate
Jan-19	2452	3311	10300
Feb-19	4861	4987	19560
Mar-19	1787	2870	9600
Apr-19	1581	2460	10700
May-19	4473	3245	22500
Jun-19	4473	3245	22500
Jul-19	2181	2239	9400
Aug-19	608	1050	4,750
Sep-19	2452	3311	10300
Oct-19	3285	3622	14093
Nov-19	2181	2239	9400
Dec-19	1787	2870	9600
<b>TOTAL</b>	<b>32121</b>	<b>35449</b>	<b>152703</b>



**Fig. 1:** Monthly Mill Production of Columbite and Cassiterite from January to December, 2019.

### C. Internally Generated Revenue (IGR)

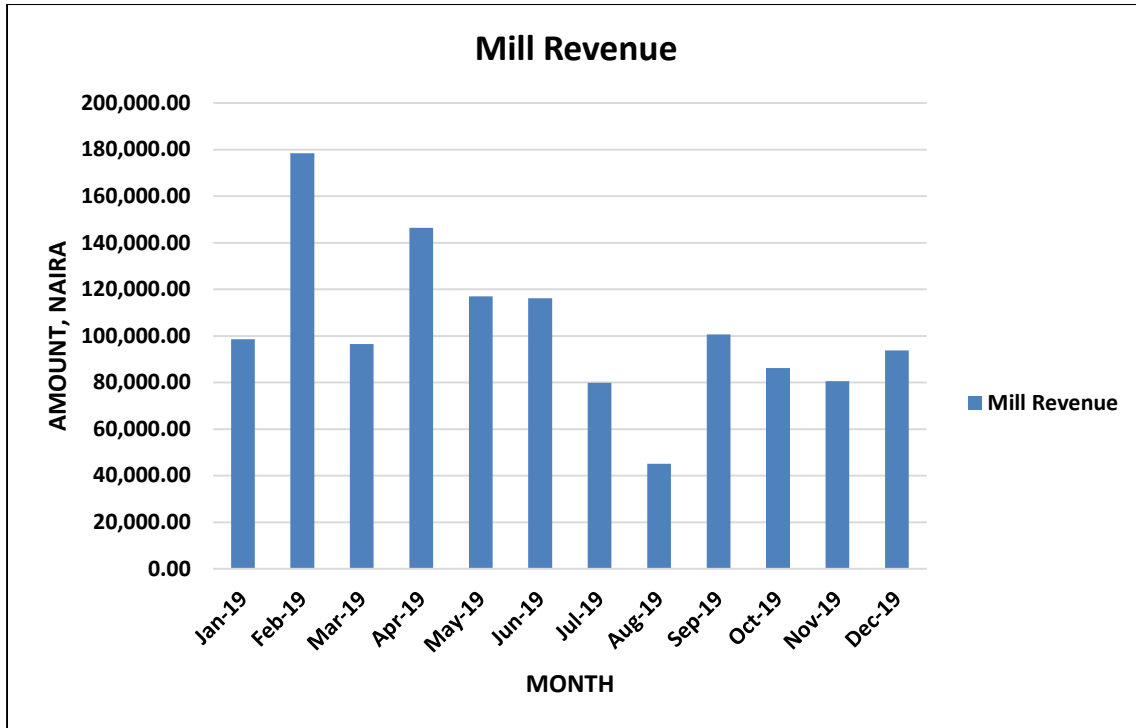
The Mill generated total sum of **₦1,239,144** (One Million Two Hundred and Thirty-Nine Thousand One Hundred and Forty-Four Naira only) in the year under review as shown in Table 2 & 3 and Figure 2 below.

The current market prices are down by over 100% in some cases from January, 2019 to December, 2019 as indicated in Table 4 below, hence the relatively low patronage from the Artisanal and Small Scale Miners (ASM) coupled with heavy rainfalls experienced in the rainy season.

**Table 2:** Mill Monthly Revenue from January to December, 2019

Months	Mill Revenue
Jan-19	98,558.66
Feb-19	178,453.80
Mar-19	96,458
Apr-19	146,396.20
May-19	117,017.20
Jun-19	116,160
Jul-19	79,900
Aug-19	45,070
Sep-19	100,630
Oct-19	86,150
Nov-19	80,600
Dec-19	<b>93,750</b>
<b>TOTAL</b>	<b>1,239,144</b>





**Fig. 2:** Mill Revenue for January to December, 2019

**Table 3:** Summary of Heavy Mineral Sand Processed from Jan - Dec, 2019

Cassiterite (kg)	Preconcentrate	Mill Revenue	Gross Total
3311	10300	98,558.66	98,558.66
4987	19560	178,453.80	178,453.80
2870	9600	96,458	96,458
2460	10700	146,396.20	146,396.20
3245	22500	117,017	117,017
3245	22500	116,160	116,160
2239	9400	79,900	79,900
1050	4,750	45,070	45,070
3311	10300	100,630	100,630
3622	14093	86,150	86,150
2239	9400	80,600	80,600
2870	9600	93,750	93,750
<b>35449</b>	<b>152703</b>	<b>1,239,144</b>	<b>1,239,144</b>

**Table 4: Mineral Commodity Price Variation from January to December, 2019**

S/ N	MINERAL COMMODITY	PRICES AS AT JANUARY TO DECEMBER 2019											
		JAN	FEB	MAR CH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	Cassiterite - a Tin Oxide mineral (SnO <sub>2</sub> )	N4,150/ Kg	N4,500/ KG	N4,500 - 4,687/ kg	N3,200- 3700/kg	N3000 - 4125/ kg	N2800- 3100/k g,	N154 0 - 3500/ KG	N2000 - 2500/ kg,	N3,200 - 3,500/ kg	3000- 3300/ kg	2500- 3500/ kg	2500- 3500/ kg
2	Columbite - a Niobium Oxide (Nb <sub>2</sub> O <sub>6</sub> )	N3,500/ kg	N4,700/ KG	N1,300 - 3,000/ kg	N2,500- 2700/kg	N3000 - 4200/ kg	N2000- 3000/k g,	N900 - 3000/ KG	N900 - 3000/ KG	2,800 - 3,000/ kg	3000- 3400/ kg	2400- 3800/ kg	2400- 3800/ kg
3	Monazite - a redish brown Phosphate Mineral containing rare earth	N70,000 /ton	N150,00 0/ton	N70,00 0 - 80,000 /ton	N6,000/ 50kg	N3000 - 5600/5 0kg	N4000- 5000/5 0kg,	No Mark et	N3500 - 4500/5 0kg	3000 - 3,500/ 50kg bag	4000- 5000/5 0kg	4000- 7500/5 0kg	3500- 7000/5 0kg

	metals; (Ce,La,Nd ,Th) (PO <sub>4</sub> , SiO <sub>4</sub> )												
4	Zircon - a Zirconiu m Silicate (ZrSiO <sub>4</sub> )	N60,000 /ton	N70,000 /ton	N50,00 0 - 70,000 /ton	No Market this month	N2500 - 3000/5 0kg	N1600- 2000/5 0kg,	No Mark et	N1000 - 1500/5 0kg	1,800 - 2,000/ 50 kg bag	1800- 2000/5 0kg	2000- 3000/5 0kg	1500- 3000/5 0kg
5	Tantalite			20,000- 25,000 / kg		5000- 25000 / kg	5000- 25000 / kg			5000- 25000/ kg	5000- 20000/ kg	5,000- 17,000 /kg	5000- 17000/ kg

#### **D. GEMMOLOGY AND LAPIDARY SERVICES**

The Directorate is equipped with a state-of-art lapidary and gemology laboratory where various Nigerian gemstones are cut and polished. In addition, modern tumbling machines and equipment for jewelry making are available.

The Directorate served as a lapidary training and gemstone certification in Nigeria, conducted training for the postgraduate student of the institute, youth & women empowerment programmes sponsored by states and other organizations.

The lapidary unit had sent proposals for training to many states which includes Katsina, Jigawa, Lagos, Gombe and Kaduna for youths/women to be sponsored by their respective State Governments for short courses in gemstone-cutting and faceting, still waiting for their response.

#### **E. MINERAL AND MINING MUSEUM**

Mining Community Resource Centre houses the old School of Mines as a historical heritage in mineral sector. The centre operates a mini-museum which keeps mineral samples, at the moment; the mini-museum is being upgraded and rehabilitated with more than 200 samples of exquisite minerals samples for the purpose of training, tourists, investors and research. Renovation and modernization of Museum is in progress, more Industrial Mineral samples were added to the Museum during the year under review.

#### **F. ASSAYING LABORATORY**

Assaying Laboratory assists in identifying various elements of minerals. Most miners have little or no knowledge about mineral identification and are at the mercy of the buyers of their products. This laboratory is to guide the investors and miners sending their minerals outside the country for certified as saying.

#### **G. LIBRARY**

The Centre's Library continued to render Library services to the Mining Community, researchers and students from various tertiary institutions during the period under review using the available books inherited from the defunct School of Mines, more books are needed to update the Library.

The library has been systematically re-organized for easy identification and retrieval of books by users.

## H. SHORT DURATION COURSES

These are professional Short Duration Courses targeted at Specific individuals, operators and organizations either within the mining industry and related sectors.

The Specialized Short Courses currently run at the institute include:

- a. BASIC TRAINING ON GEMSTONE CUTTING AND POLISHING (LAPIDARY); COURSE OUTLINE: Slicing Exercise, Preforming, doping, Introduction to meet-point faceting and step-cutting, Introduction to fashioning and cutting of Gemstones.
- b. MANDATORY REFRESHER COURSE FOR BLASTING CERTIFICATE HOLDERS – RESPONSIBLE PERSONS; COURSE OUTLINE: Rock Breakage and Blast Design; Types of Explosives; Classes of Explosives; Modern Blasting Techniques; Safety in handling and storage of explosives.
- c. MANDATORY REFRESHER COURSE FOR BLASTING CERTIFICATE HOLDERS – BLASTERS; COURSE OUTLINE: Introduction to basic blasting techniques; proper use of blasting accessories; types and application of explosives; Safety in handling and storage of explosives.
- d. BASIC MINING PRACTICE FOR MINERS; COURSE OUTLINE: Surface and Underground Mining Methods; Basic Mineral Processing Techniques/Value Addition; Identification and Uses of Metallic and None Metallic Minerals; Health, Safety and Environmental Issues in Mining; Accident, Investigation, Report, Analysis and Prevention in Mining; Modern Mines Surveying Techniques; Formation and management of Mining Cooperative Society; Mining Legislation (Mining Law, Regulations etc).
- e. **MINERAL EXPLORATION: GEOPHYSICAL AND GEOCHEMICAL METHODS.**

## 2.0 METALLURGICAL TRAINING INSTITUTE, ONITSHA

The Metallurgical Training Institute, Onitsha was established in 1980 as a result of the bi-lateral agreement between the Federal republic of Nigeria and Germany. The bi-lateral agreement ended in 1995, while training of Nigerians for the maintenance and repair of metallurgical equipment in the iron and steel and allied industries by the Ministry of Mines and Steel Development continues.

### 2.1 MAIN ACTIVITIES

The mandates of the Institute are as follows: -

- 1) To train low & middle level technical manpower with emphasis in Equipment Maintenance in the Iron & Steel, Oil and Gas and Allied Industries, in Nigeria.
- 2) To minimize the need to send Nigerians overseas for professional training in metallurgy.
- 3) To award Diplomas and Certificates in Iron & Steel, Oil & Gas and related technology.
- 4) To promote or undertake any other activity that, with the opinion of the supervising ministry, will help to achieve the purpose of the Institute.

In pursuit of these mandates, the Institute offers a modular 3 – year programme of study of 80 percent practice and 20 percent theory and supervised practical training in six specialized courses viz:

- i. Mechanical Maintenance Engineering
- ii. Industrial Electrical Engineering
- iii. Instrumentation and Control Systems Engineering
- iv. Steel Fabrication and Welding Engineering
- v. Heavy Mobile Equipment Maintenance Engineering.
- vi. industrial Metallurgy & Foundry Engineering

The graduands are awarded MTI Diploma at the end of their course of study.

The Institute's training programmes are in line with the Ministry and Government Policy on Technical Education in the following areas.

- ❖ Maintenance of critical infrastructure by Metallurgical Training Institute's trained technical manpower in the industries.
- ❖ Curtailment of youth restiveness through skill acquisition for self-reliance and self-employment.
- ❖ Educating our youths and preparing them to meet the needs of the industries in repair and maintenance of equipment in Steel and Allied industries as well as Oil and Gas sector of the economy.

## 2.2 TRAINING DEPARTMENT

The training programme of the Institute for 2019 session started as scheduled in January 2019, with the return of all hostel residents. This was followed immediately with the resumption of academic activities from 7<sup>th</sup> January 2019.

The On-The-Job-Training (OJT) programme for the final year students commenced on 7<sup>th</sup> January, 2019. Between 14<sup>th</sup> – 18<sup>th</sup> January 2019, registration of old / fresh students took place, followed by screening of freshers. The orientation programmes for fresh students took place between 21<sup>th</sup> – 25<sup>th</sup> January, 2019.

## 2.3 MATRICULATION CEREMONY

The Institute held its matriculation ceremony on May 17<sup>th</sup>, 2019. A total of two hundred & fifty-eight (258) students took the Institute's oath of allegiance at a ceremony that was well attended by parents, relatives and friends of matriculating students.

## 2.4 STUDENTS' WEEK

The Students' Week of the Institute took place between June 3<sup>rd</sup> – 7<sup>th</sup>, 2019 and other academic programmes for the students continued without hitches.

## 2.5 ADVERT/SALE OF MTI ENTRANCE EXAMINATION FORMS

The Adverts for the purchase of forms for the Institute's entrance examination for 2020 academic session were published in two National Dailies: The Guardian, Tuesday, May 29<sup>th</sup>, 2019 and Daily Trust of Monday, June 4<sup>th</sup>, 2019 and sale of forms followed immediately.

## 2.6 MTI ENTRANCE EXAMINATION

The Institute's entrance examination took place on the 19<sup>th</sup> October, 2019. About 404 candidates wrote the examination.

## 2.7 FIELD TRIPS

The field trips for second year students took place on the following dates:

S/N	DEPARTMENT	DATE
1.	Industrial Electrical	13 <sup>th</sup> August, 2019
2.	Instrumentation & Control Systems	14 <sup>th</sup> August, 2019
3.	Welding and Fabrication	28 <sup>th</sup> August, 2019



4.	Heavy Mobile Equipment	5 <sup>th</sup> September, 2019
5.	Mechanical Maintenance Engineering	11 <sup>th</sup> September, 2019
6.	Industrial Metallurgy and Foundry	18 <sup>th</sup> September, 2019

## 2.8 EXAMINATIONS

A total of two different end-of-semester examinations were conducted successfully as follows:

S/N	EXAMINATION	DATE
1.	Semester 1, 3, 5	June 13 <sup>th</sup> - June 21 <sup>st</sup> , 2019
2.	Diploma Practical	2 <sup>nd</sup> - 4 <sup>th</sup> December, 2019
3.	Semesters 2, 4, 6	5 <sup>th</sup> - 13 <sup>th</sup> December, 2019

## 2.9 ACHIEVEMENTS FOR THE PERIOD UNDER REVIEW

### 2.9.1 NUMBER OF STUDENTS ON TRAINING

The total number of students on training in 2019 was 815 broken down as follows:

#### (i) A 3-YEAR MTI DIPLOMA PROGRAMME OF 80% PRACTICE & 20% THEORY

S/ N	PROGRAMME/COURSES	FIRST YEAR	SECOND YEAR	THIRD YEAR	TOTAL
1.	Industrial Electrics Engineering	64	76	58	198
2.	Mechanical Maintenance Engineering	47	60	57	164
3.	Instrumentation & Control Systems Engineering	42	29	52	123
4.	Steel Fabrication & Welding Engineering	38	33	43	114
5.	Heavy Mobile Equipment Maintenance Engineering	42	41	51	134
6.	Industrial Metallurgy and Foundry	25	18	39	82
	<b>Total</b>	<b>258</b>	<b>257</b>	<b>300</b>	<b>815</b>

**(ii) SHORT TERM COURSES (1 WEEK - 3 MONTHS)**

**SUMMARY OF 2019 CAPACITY BUILDING PROGRAMMES EXECUTED BY MTI  
 COMMERCIAL UNIT**

S/N	ORGANISATION	NO. OF PARTICIPANTS	DATE / DURATION
1.	N-POWER TRAINING [ORGANIZED CORBON &NADDC]	83	3 months 20 <sup>th</sup> May - 9 <sup>th</sup> August, 2019
2.	Private Individual/Group Training	20	1 Week, 2 months & 3 months

The quality of our training staff has been improved with 'train the trainer' and counterpart training programmes as part of our capacity building programmes.

**2.10 FINANCIAL STATUS OF RELEASES**

**A. CAPITAL RELEASE**

The 2019 capital budget has eight (8) projects, with the sum of ~~₦~~647,351,796.00 appropriated for the Institute as capital budget for the year. Out of that appropriated sum, the total amount released between August, 2019 to December, 2019 for the Institute's capital projects was ~~₦~~258,940,718.40 representing 40% of the total appropriation.

**B. PERSONNEL RELEASE (JANUARY - DECEMBER, 2019)**

A total of ~~₦~~331,114,730.83 representing 96.1% of appropriation of ~~₦~~349,809,143.00 was utilized as released.

**C. OVERHEAD RELEASE (JANUARY -DECEMBER, 2019)**

A total of ~~₦~~60,528,013.36 representing 66.7% of the appropriation of ~~₦~~90,792,020.00 was released & utilized.

**D. INTERNALLY GENERATED REVENUE**

Internally generated revenue realised by the Institute from January 1<sup>st</sup> - 31<sup>st</sup> December, 2019 is ~~₦~~14, 786,226.69

**2.11 2018/2019 CAPITAL BUDGET IMPLEMENTATION**

S/N	PROJECT / PROGRAMME DESCRIPTION	STRATEGIES OBJECTIVE	NAME OF CONTRACTOR	PROJECT / PROGRAMME START & COMPLETION DATES	APPROPRIATION FOR 2018/2019	AMOUNT RELEASED	AMOUNT UTILIZED
1	REHABILITATION OF EROSION-RAVAGED INTERNAL ROADS, PHASE II [ROAD LINKING THE EXPRESS WAY THROUGH THE MAIN GATE HOUSE TO THE STUDENT HOSTELS]	Infrastructural development for provision of access roads to key infrastructural location on the premise	LOGKEG ENGINEERING LIMITED	November, 2018 / completed	107,314,409	18,090,856.00	18,090,856.00
2	INSTALLATION OF SOLAR ENERGY SYSTEM- PHASE II [POWERING OF ADMINISTRATIVE BLOCK]	To improve power supply for efficient service delivery	FAPROCON LIMITED	November, 2018 / completed	80,000,000.00	10,008,536.94	10,008,536.94
3	INSTALLATION OF SOLAR ENERGY SYSTEM- PHASE II [POWERING OF INSTITUTE'S STREET LIGHT]	To enhance service delivery in the production of low and middle level technical manpower for metal sector Oil & Gas and allied industries.	FAPROCON LIMITED	November, 2018 / completed	50,000,000.00	21,761,607.00	21,761,607.00
4	CAPACITY BUILDING FOR HIGH LEVEL MANPOWER	Infrastructural Development to improve personnel	VUCO CONSULTS LIMITED	November, 2018 / completed	24,590,815.00	2,415,740.92	2,415,740.92

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	DEVELOPMENT IN ENGINEERING	efficiency and overall output in training programme					
5	INSTALLATION OF SOLAR ENERGY SYSTEMS (POWERING OF INSTITUTE'S WORKSHOPS AND EQUIPMENT)	To improve power supply for efficient training activities	GODONNA PETROLEUM & ENERGY SERVICES LIMITED	November, 2018 / completed	150,000,000.00	34,601,216.80	34,601,216.80
6	RENOVATION OF EXISTING TOTALLY DILAPIDATED SRUDENTS' HOSTELS & SURROUNDING FACILITIES	To provide habitable accommodation for students	DILICON LIMITED	November, 2018 / completed	100,000,000.00	21,336,912.30	21,336,912.30
7	COMPLETION OF FLOOD & EROSION CONTROL CONSTRUCTION OF REINFORCED CONCRETE DRAINS & RECTANGULAR BOX CULVERT	To provide efficient flood & erosion control drainage	FOCAL POINT CONSTRUCTION LIMITED	2017 completed	58,767,360.00	7,060,368.15	7,060,368.15
8	PROCUREMENT OF TRAINING EQUIPMENT/MACHINE	To effect training in technical skill areas for acquisition of contemporary engineering skill to enhance youth empowerment	UGOLANSON NIG. LTD	2017 completed	56,232,640.00	2,987,184.40	2,987,184.40

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9	CAPACITY BUILDING FOR HIGH LEVEL MANPOWER DEVELOPMENT IN ENGINEERING	Infrastructural Development to improve personnel efficiency and overall output in training programme	OBET-OBET NIG. LIMITED	2019 / ongoing	49,680,000.00	42,926,310.00	42,926,310.00
10	PROCUREMENT OF LINRARY BOOKS AND EQUIPMENTS	Improved facilities for training of youths in low and middle level technical skills in metal and allied sectors in Nigeria	HOLADON EDUCATIONAL BOOKS LTD	2019 / ongoing	12,000,000.00	11,358,551.40	11,358,551.40
11	PROCUREMENT OF IT/OFFICE COMPUTERS AND OFFICE FURNITURE	To enhance operation and production efficiency	WILVIC GLOBAL LTD	2019 / ongoing	48,000,000.00	43,000,066.00	43,000,066.00

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 INTERNALLY GENERATED REVENUE/ REVENUE REMITTANCE SCHEDULE [JANUARY - 31<sup>ST</sup> DECEMBER, 2019]

REVENUE TYPE	JANUAR Y	FEBRUA RY	MARCH	APRIL	MAY	JUNE	JULY	AUGUS T	SEPT.	OCT.	NOV.	DEC.
Statement Of Result	500	-	-	-	-	500	-	500	500	500	1000	-
Transcript Fees	20,000	10,000	10,000	10,000	12,000	16,000	32,000	22,000	28,000	90,000	8,000	-
Certificate Fees	30,000	5,000	15,000	5,000	30,000	15,000	20,000	15,000	20,000	50,000	5,000	5,000
Carryover Fees	-	-	6,000	9,000	55,000	318,000	12,000	22,000	44,000	34,000	99,500	175,000
Acceptance Fees 2017/2018	1,015,000	175,000	190,000	10,000	-	-	-	-	-	-	-	-
Admission Form Fees 2018/2019	-	-	-	-	-	-	312,000	339,000	228,000	333,000	-	-
Tender Fees	10,000	40,000	90,000	-	-	-	-	-	-	-	-	-
Student Contribution Towards Training	3,105,800	1,865,900	1,714,300	517,500	623,000	431,000	968,000	32,000	55,100	6,000	28,000	29,000
Staff Quarters Rent/ Electricity Fees	74,567	182,180	49,413	27,882	76,220	155,350	60,307	19,902	60,535	16,000	48,352	138,920
Matric Gown	-	-	2,000	-	502,000	4,000	-	-	-	-	-	-
<b>TOTAL</b>	<b>4,255,867</b>	<b>2,278,080</b>	<b>2,076,713</b>	<b>579,382</b>	<b>1,298,220</b>	<b>939,850</b>	<b>1,404,307</b>	<b>450,402</b>	<b>436,135</b>	<b>529,500</b>	<b>189,852</b>	<b>347,920</b>

## **2.12 ADMINISTRATION DEPARTMENT**

The scope of Administration Department range from general administration, welfare, pensions, insurance to personnel management. Early in January 2019, data collection was made in the areas of tax code and annual leave roaster.

### **2.12.1 NOMINAL ROLL**

The Institute has 160 numbers of staff in its nominal roll.

### **2.12.2 STAFF DISTRIBUTION**

The staff strength of the Institute comprises 90 training staff and 70 non-training staff.

### **2.12.3 RECRUITMENT**

During the period covered by this report, a total number of 20 persons were employed in the Institute.

### **2.12.4 PROMOTION EXERCISE**

Promotion exercise was carried out and concluded though the result is being awaited from the Ministry.

### **2.12.5 MANPOWER TRAINING**

Due to insufficient fund, an elaborate manpower training schedule could not be used. Rather areas of serious needs were located by Management and relevant staff sent on training accordingly.

### **2.12.6 STAFF DISENGAGEMENT**

The year under review witnessed the disengagement of two (2) staff, mainly through retirement.

### **2.12.7 INTAKE OF NYSC MEMBERS**

With Management's approval, Administration Department facilitated the deployment of corps members to augment the staff strength in key areas of training.

### **2.12.8 VISITS TO THE INSTITUTE**

The Institute hosted the Honourable Minister of State, Hon. Dr. Uchechukwu Ogah with some officers of the Ministry of Mines and Steel Development, Abuja.



### 2.13 PROCURMENT

Publications for tender were publicized in two National dailies: The Daily Sun Monday, October 21<sup>st</sup>, 2019 and Daily Trust of Monday, October 21<sup>st</sup>, 2019 and also Federal Journal of Volume 15 No. 21 of Monday October 21<sup>st</sup> – Sunday November 3<sup>rd</sup>, 2019, which had a total of nine (9) Lots of capital and constituency & zonal intervention projects.

During the period of invitation to tender, forty-three (43) tenders were received which involved twenty-three (23) capital projects and twenty (20) constituency projects. The opening of technical bids and financial bids of the tender were done on 2<sup>nd</sup> December, 2019 and 19<sup>th</sup> December, 2019 respectively. At the end, eight (8) of projects were awarded.

In addition, Lot 3 which is upgrade of Auto-Mechatronic equipment in M.T.I still awaits the Ministerial Tenders Board approval.

### 2.14 ACHIEVEMENTS

1. The Institute has 815 students in its regular 2019 training programmes in which about 280 students in their different field of engineering graduated at the end of 2019.
2. Renovation of students' hostels buildings which was one of capital project enhanced conducive environment for learning to students.
3. Installation of solar street light all over the Institute for improved security in a highly vulnerable environment of the Institute.
4. Provision of solar power supply to run training programs/activities as supplement for the epileptic public power supply which had affected the quality of training given to our students.
5. Training and retraining of instructional, technical and administrative staff for improved service delivery, in which about thirty-four (34) of them benefitted from the training.
6. Interim accreditation was granted to our programmes by National Board for Technical Education (NBTE) to run special National Diploma Programs in Electrical & Electronic Engineering Technology and Welding & Fabrication Engineering Technology, which added more values and national recognition to the Institute's programs.

## 2.15 CHALLENGES

### 1. The Enabling Law

The Law establishing the Institute is yet to be enacted. We acknowledged the efforts made by the Ministry especially the Honourable Minister for pushing the draft to the National Assembly but the process is still ongoing.

Absence of enabling law for the Institute has denied it access to funding outside of the annual government appropriation provision which has been grossly inadequate over the years.

The Institute has also been denied of partnering with other relevant Institutions for technical assistance and exchange of programmes.

The Institute was established under the National Steel Council Act Cap 281 hitherto known as Decree No. 60 of 1979. This decree empowered, among others, the Steel Council to train Nigerians in all aspects of the Iron and Steel and so mandated Metallurgical Training Institute to carry out the said training functions. The enacting of this law will go a long way to enable the Institute enlarge its training and functional scope for self-sustenance.

### 2. Completion of Planned Facilities

The Institute as an on-going project has only about 60% of its planned facilities completed. There is therefore the need to put every of its facilities in place for more coordinated and effective training programmes.

### 3. Need to Improve on the Existing Facilities

It is important that the existing facilities which are aging be improved on for purposes of maximum efficiency.

### 4. More Workshops & Classrooms

Being a practice-intensive Institute and take-off for full accreditation, additional workshops and classrooms are needed for such critical areas as Metallurgy and Foundry, ICT (Computer Science & Engineering), and Instrumentation & Control Systems.

### 5. Full Accreditation

The Institute's training programme structure of 80% practical and 20% theory which does not conform with NBTE's regulation standard. However, Interim accreditation was granted to two of the programmes presented to NBTE in November, 2019.

The Institute was permitted to mount National Diploma (ND) in:

- i.* Electrical/Electronic Engineering Technology
- ii.* Welding & Fabrication Engineering Technology.

The Institute solicit the support of the Ministry for full accreditation of other programmes in Mechanical Engineering Technology, Metallurgy & Material Engineering Technology, Computer Science and Computer Engineering.

## **6. Manpower Requirements**

The Institute manpower needs include administrative, technical and instructional staff. There is gross depletion in the staff strength of the Institute. As many of the German trained staff are retiring from service. There is the need, therefore, to beef up the staff strength in the specialized areas for effective service delivery.

## **7. Funding**

The Institute has experienced inadequate funding over the years. Much as we realize the present dwindling economic situation in the country, I wish to appeal to the Permanent Secretary to assist in ensuring improved funding of the Institute's projects and programmes.

### **2.16 CONCLUSION**

The Institute was able to effectively utilize funds which government voted into its projects & services for the period under review.

Much as we commend government for its commitment to development of our nation through manpower training, we appeal for more funding so as to achieve greater output.

### **3.0 NATIONAL METALLURGICAL DEVELOPMENT CENTRE, (NMDC), JOS**

This report covers technical activities carried out by various Departments of the National Metallurgical Development Centre (NMDC) Jos, from January to December, 2019. The report includes reports from the units under the DG's office that provide support to the technical activities of the Centre.

As a general overview, the primary mandate of the Centre is to carry out Research and Development activities, aimed at developing the Metallurgical and Solid Minerals Sectors of the Nigeria economy. In line with this, its scope of research activities includes, but not limited to the following:

- i. Bench scale characterization and beneficiation studies of mineral ores, and development of flow-sheets for their subsequent pilot and industrial scale upgrading (beneficiation);
- ii. Pyro-metallurgical studies and extraction of metals from their respective ore concentrates;
- iii. Foundry Technology, including: casting design, development of moulding materials, melting and casting techniques, heat treatment and conformity tests;
- iv. Metallurgical failure analysis;
- v. Refractory studies, with a view to develop refractory materials and articles from locally available raw materials for use by the Iron and Steel and allied industries.
- vi. Pollution control studies towards effective remediation programmes to tackle environmental problems resulting from mining and metallurgical extractive processes.

#### **3.1 MINERAL PROCESSING AND REFRACTORIES**

Within the period January to December 2019, the mineral processing department of the Centre engaged in comprehensive preliminary studies on some Nigerian ore deposits that include Nickel ore, lead-zinc, Clay and Iron Ore deposits that were included in the proposed

2019 work plan approved by management, in readiness for full scale research and development activities on such deposits.

The Department is also re-evaluating previously sourced and processed Lead and Iron Ore samples for exploration of possible better and improved upgrading techniques for concentrate production. This study also serves as part of in-house training for the relatively new staff deployed to the department. Significant work was done on the proposed projects on full characterization and possible carbonization of blends that include Chikila and Maiganga Coals. In the Month of June, 2019, the Ministry of Mines and Steel Development engaged the Centre to provide professional training to its technical staff drawn from Metallurgical Inspectorate & Raw Materials Development Department.

Commercial activities were carried out in the minerals laboratory, the Mineral Beneficiation Pilot Plant (MBPP) and the Refractory laboratory. Jobs ranging from crushing, sieve analysis, beneficiation and characterization of various Ores (Clays, Tin, Iron, Lead, etc.) were carried out for which payments were made to TSA account. Beneficiation of ores, mainly Tin and Niobium were undertaken at the MBPP using basic physical separation techniques of gravity and magnetic. A total of 18,480kg (about 18tons) of sample materials were processed for 64 different clients. Twelve (12) clay samples sourced from ten (10) different Local Government Areas of Plateau State, were worked upon as part of an on-going research on the suitability and utilization of local raw materials as substitute for production of imported refractory materials. The samples were tested for Plasticity, % Apparent Porosity, Bulk Density and Cold Crushing Strength.

Coke samples received from Ajaokuta Steel Company, through the Ministry of Mines and Steel Development, were worked upon to determine their physical and chemical properties for possible use in steel making. Similarly, calorific value, fixed carbon content, volatile matter and ash content were determined for other clients within the year under review.

### 3.2 METALLURGY

During the period under review, several other activities took place at the Centre through the Metallurgy Department. Market survey of casting for Municipal and industrial use was conducted. The foundry in addition to carrying out research in foundry related areas has concluded preparations to commence commercial production of castings for local market following the identification of some castings particularly for agricultural mechanization:

- ii. Characterization of Ngeneva River Bank sand, Eyin River and Azare River Bank sands for the purpose of determining the under-listed mould sand parameters:
  - i. Flowability test
  - ii. Moisture content
  - iii. Universal strength
  - iv. Trace of natural Clay content
  - v. Buck density
  - vi. Shatter index.

All the units of the Pilot Plant have been successfully completed. The Furnace and the Auxiliary units have been test-run under no load condition with satisfactory results. The plant is now ready for Load Test and subsequent commissioning when all necessary materials have been sourced. These items include; Uninterrupted Alternative Power supply, adequate water supply system, safety wears among others. Activities at the corrosion testing laboratory within the year include:

- i. Investigation of Corrosion behavior of Mild steel in pH scale 2 at room temperature was carried out using Weight loss method.
- ii. Investigation of Corrosion Behavior Stainless Steel welded joint in acidic environment (0.5M H<sub>2</sub>SO<sub>4</sub>) was also carried out.

During the period under preview, Lead Zinc ore sample was brought to the Centre through metallurgy department for metallographic characterization.

### 3.3 ANALYTICAL SERVICES

The Analytical Services Department of the Centre is service driven and is made up of two divisions, namely;

- A. Analytical Services Division, and
- B. Environmental Pollution Control and Monitoring Division.

In order to boost research activities and enhance revenue generation, the department received the delivery, Installation and training on the following equipment.

- On the 6<sup>th</sup> March, 2019; A 10 KVA solar Inverter was installed in the MP-AES instrumental laboratory.
- On the 11<sup>th</sup>-12<sup>th</sup> April, 2019; A newly acquired Microwave Plasma-Atomic Emission Spectrometer Agilent 4210 was installed in the instrumental laboratory.
- On the 14<sup>th</sup> June, 2019; A newly acquired BRA-135F Energy Dispersive X-Ray Fluorescence spectrometer (ED-XRF) was installed in the instrumental laboratory.
- The Minipal 4 ED-XRF developed fault on the 6<sup>th</sup> of March, 2019 and was sent to the supplier company, PANalytical South Africa for repairs and recalibration on the 1<sup>st</sup> April, 2019.
- The Instrumental laboratory building was upgraded/renovated and rebranded. MP-AES laboratory was commissioned by the Hon. Minister of State MMSD on the 9<sup>th</sup> May, 2019
- In the month of June, 2019; A comprehensive assessment of non-functional equipment such as Furnaces, hot plates, pH-meters, weighing balances and UV-Spectrometer was carried out by a competent Instruments technician for possible repairs.
- On the 24<sup>th</sup> June, 2019; expired chemicals and broken glass wares were disposed of from the department laboratories.



- On the 9<sup>th</sup> December, 2019; the instrument technician who assessed the non-functional equipment in June, 2019; commenced repairs of the broken-down equipment in the department.

The department worked on a total number of three hundred and sixty-seven (367) assorted sample materials for various elemental compositions and pollution indicators during the period under review.

### **3.4 RESEARCH DEVELOPMENT AND CONSULTANCY**

The Research Development and Consultancy Service Department of the Centre carried out the following activities within the period under review:

#### Collaboration with Universities and Other Agencies

- i. Letters were written to twenty-nine (29) Federal and State Universities, introducing the Centre and its activities.
- ii. Letters were also written to fifteen (15) Governmental agencies and private organizations, stating and services rendered by the Centre.
- iii. Due to some of the responds the Centre received from the various letters written to the higher institutions of learning and organizations, the Centre is in the process of signing MoU with the following higher Institutions and organizations.
  - a. University of Lagos
  - b. Nigerian Defence Academy Kaduna
  - c. Ashaka Cement Gombe
  - d. National Steel Raw Materials Exploration Agency Kaduna.
  - e. The Centre is about to re-new its MoU with University of Jos.
  - f. Various Chemical Analysis, water/soil sample parameter, Mechanical testing, Foundry sand testing, Mineral Analysis and Processing, Metal Processing e.t.c for Small and Artisanal Miners, Corporate bodies, individuals and students from academic institutions both within and outside Jos there by expanding metals mineral sector and creating employments in the sector.

Research and Commercial Activities.

Also, the department carried out various research activities for the students of various Institutions at highly discounted value which has contributed immensely to the academic growth and development of the industry. A total of about 260 clients were serviced during the period under review.

### **3.6 ENGINEERING SERVICES**

The Engineering Services and Maintenance Department recorded the following activities within the year:

1. Reactivation of the entire Centre's night illumination with stand on poles LED lighting system was completed.
2. Installation of one unit of 10 KVA solar power each for the Corporate Office Building and OES/EXF Laboratory was completed.
3. Remodelling and Extension of the Centre's Conference Hall to a standard Conference and Media Centre was completed.
4. Extensive renovation and upgrade of OES/ERF Laboratory to house new equipment.
5. Landscape and Beautification works of the Centre's environment.
6. Repair of several Equipment in the Laboratory workshops was commenced.
7. During the year, the office was overwhelmed with flooding from within and from a nearby stream which threatened its Metallurgical Workshops.

## **4.0 NATIONAL STEEL RAW MATERIALS EXPLORATION AGENCY (NSRMEA), KADUNA**

National Steel Raw Materials Exploration Agency (NSRMEA), Kaduna is an agency of the Ministry of Mines and Steel Development that has been in existence since 1971 as the Exploration and Mining Division of the defunct Nigerian Steel Development Authority (NSDA), established by Decree 19 of 1971. It became a corporate body through the enactment of decree 49 of 1992.

### **VISION**

NSRMEA has the vision of being a world class geo-scientific information center for investors and researchers in iron and steel industry through the collective efforts of well trained, dedicated and motivated workforce that is technology driven and focused.

### **MISSION**

The Agency's mission is to generate reliable steel making raw materials data bank for investors in the iron and steel industry using world best mineral exploration practices.

## **4.1 FUNCTIONS OF THE AGENCY**

The functions of the NSRMEA as enshrined in the law establishing it, shall be to, amongst others:

- a. Carry out the exploration of steel raw materials in all parts of Nigeria and elsewhere for the iron and steel industry;
- b. Establish and execute a steel raw material base including mineral resources management, monitoring, resources utilization studies and inventory in relation to the iron and steel industry;
- c. Carry out detailed geological, geophysical and geochemical investigations, including analytical and laboratory works, cadastral surveys, photo geological and other interpretations, core drilling and well logging, geostatistics and mineral calculations, estimations and valuations as may be required for exploration of steel raw materials;
- d. Carry out geotechnical studies of deposits under investigation, slope and rock stability studies, rock mechanics and soil tests as parameters requisite for mining of steel raw materials;
- e. Ascertain the quality and quantity of steel raw materials and their suitability for their respective industrial use in the iron and steel industry;

- f. Carry out Hydrogeological investigations, including geophysical studies for water well drilling and development, bailing and pumping tests determination of aquifer characteristics, investigation of underground water supply for domestic and industrial purposes as may be required for the iron and steel industry;
- g. Carry out such ground and underground exploratory working as may be necessary for detailed evaluation of mineral raw materials for the iron and steel industry;
- h. Undertake detailed and test programmes on steel raw materials including metallurgical grade cooking coal (in seam exploration) aimed at identifying the characteristics and advising on the current knowledge of their mineral contents and their most economic and viable exploration modes;
- i. Liase, collaborate and enter into joint ventures with other institutions whose functions are related to those of the Agency, whether in Nigeria or elsewhere in relation to the exploration and evaluation of steel raw materials for the iron and steel industry;
- j. Carry out any other services with respect to matters relating to mineral exploration for the iron and steel industry;
- k. Establish, organise, run, operate, conduct and participate in such training courses, lectures, seminars, conferences, symposia and similar study groups as may enhance the activities of the Agency or the efficiency of any of its officers and employees; and
- l. To such other acts and things as the Agency may consider necessary to enable it to discharge its functions under this Act.

## 4.2 ORGANIZATIONAL STRUCTURE

### 4.2.1 Departments

The agency has a Board of Directors chaired by a Chairman with a Director General / CEO overseeing the day to day operations of the Agency. The agency has six departments structured along areas of specialization made up of:

- a. Geological Services Department – responsible for carrying out geophysical and cadastral surveys, geotechnical, hydrological, chemical, mineralogical and mineral process tests.
- b. Iron and Ferro Alloys Department responsible for prospecting and exploration for iron ores and ferro-alloy materials such as chromite, manganese, wolframite, molybdenum, tantalite, rutile/ilmenite, among others.
- c. Coal and Industrial Minerals Department responsible for prospecting and exploration of coal and industrial minerals including all types of coal, refractory materials (clays, magnesite, bauxite, kyanite – silliminite), fluxes (limestone, marble, dolomite, fluorspar); foundry materials (silica sand, zircon sand, talc and graphite).

- d. Engineering Services Department responsible for maintenance, drilling and mine planning and design studies.
- e. Administration Department responsible for human resource management; and
- f. Finance and Accounts Department responsible for finance and accounts matters.

The Agency also has six (6) units that report to the office of the Director General / CEO comprising:

- i. Legal Unit - responsible for advising the agency on all legal issues including supervising external solicitors. The Legal Unit also serves as the Secretary of the Board of Directors of the Agency.
- ii. Corporate Planning Unit - that serves as the corporate development unit of the agency. It is the repository of the Agency's Technical Reports and Corporate Development Memoranda.
- iii. Consultancy Unit - That serves as the business unit of the agency.
- iv. Internal Audit - responsible for ensuring that all financial transactions of the agency are carried out in line with laid down financial regulations.
- v. Abuja Liason Office - responsible for liaison with the Ministry and other MDAs and stakeholders in Abuja.
- vi. Servicom / Anti-Corruption - responsible for facilitating prompt service delivery as well as keeping watch on corrupt practices.
- vii. Public Relations - responsible for protocol issues including management of information desk and wellbeing of the agency's guests.

This is in addition to six Exploration Bases located in Bauchi, Gusau, Lokoja, Akure, Owerri and Nasarawa Obi. These bases oversee the agency's activities in the various areas where they are located supervised by relevant departments. Bases that fall in zones that are endowed with iron and ferroalloy materials report to the Department of Iron and Ferroalloys while those that are located in areas endowed with coal and industrial minerals report to Coal and Industrial Minerals Department.

#### **4.2.2 Staff Strength**

The Agency had a total of 256 staff made up of 147 Technical Officers and 109 Non-Technical Officers as at 31<sup>st</sup> December 2019.

### **4.3 MAJOR ACHIEVEMENTS**

Highlights of major activities carried by the Agency in 2019 comprised the following.

- a. Exploration of Igbokoda Silica Sand in southeastern part of river Ofara at Igbokoda/Aboto and its environs in Ilaje LGA of Ekiti State for the purpose of

ascertaining its quality and suitability for metallurgical use (refractory bricks and foundry casting sand) including delineation of high grade silica sand bearing areas. Works carried included reconnaissance geolocal mapping, pitting, trenching, sampling, chemical, physical and process tests in addition to electrical resistivity survey. Samples tested graded +90% silica. Scrubbing tests on collected samples confirmed the possibility of producing +96% silica material required for refractory bricks production. Detailed mapping made up of close pitting, SPT sampling and refractory tests amongst others are ongoing to facilitate the delineation of high grade silica sand blocks.



Pitting and Electrical Resistivity works at Igbokoda Silica Sand site

- b. Exploration of Orin Ekiti Bauxite resource located in Ido-Osi LGA, Ekiti State. The objective of the project is to explore for the reported bauxite resource in Orin Ekiti, in Ido-Ekiti LGA of Ekiti State. Works carried out included geological mapping, pitting, trenching, Geophysical Survey (VES & Resistivity) including spectral geology for the purpose of delineating probable bauxite bearing areas. Chemical analysis of collected samples was also carried out. Lab results on tests carried out so far show Alumina content of 16% to 41% which is encouraging. Further works include mineralogical tests, drilling, process and refractory tests as well as delineation of bauxite bearing areas.





**Geophysical Survey at Orin Ekiti bauxite Deposit**



**Typical images of pit excavated at Orin Ekiti Bauxite Deposit**



- c. Receipt HYDX-6 Crawler Mounted Drilling Rig. This was delivered in October 2019 as part of 2018 appropriation. The drilling rig has been tested and was used to successfully drill for iron ore resource in Tajimi, Kogi State as part of the NIMEP project.



- d. Acquisition of 1No XRF Multiloader/ Multipurpose machine for chemical analysis of mineral samples



- e. Acquisition of 1No XRD machine for mineralogical samples analyses.



- f. Acquisition of SPT Machine for geological engineering investigation



- g. Acquisition of microprocessor pH meter for pH measurement in classical and water analysis



- h. Procurement of project vehicles for Bauxite and Igbokada Silica Sand Projects





- i. Execution of Constituency projects on water borehole drilling in mineral inventory projects in five Federal Constituency (Bindawa Mani in Katsina State, Kware Wamako in Sokoto State, Yemaltu Deba in Gombe State, Gumi Bukkuyum in Zamfara State, Ogbaru in Anambra and Abadan, Guzamala, Kukawa and Mobbar in Borno State)



**Geological and Geochemical mapping of Kware Wamako Federal Constituency,  
Sokoto State**

- j. Execution of Water Boreholes Zonal Intervention Project at Mani Bindawa Federal Constituency in Katsina State.



**Zonal Intervention Water Bore Hole Projects at Bindawa Mani Federal Constituency**

- k. Continuation of exploration works on iron ore resource across the country under the National Integrated Mineral Exploration Project (Lot A5) contract awarded to the Agency. The second phase of NIMEP project commenced in the first quarter of 2019 based on the reconnaissance mapping carried out in the last quarter of 2018. Twelve (12) out of twenty-eight (28) iron ore resource target areas traversed were subjected to detailed geological mapping and ground geophysical follow up. Collected samples were analysed for elemental and mineralogical compositions with core drilling commenced on three sites (Tajimi, Gidan Buzu and Nasko). Highlights of some of the works carried out are as outlined below.

**i Tajimi Iron Ore**

Detailed geological mapping was carried out on the scale of 1:10,000 to map out the extent of the ore body comprising pitting, trenching, sampling and laboratory analysis including ground geophysical survey that recommended the drilling of ten (10) exploratory core holes. The works facilitated the delineation of an ore body of about 1400mX400 containing Magnetite and Hematite as chief minerals grading 38% %Fe, 0.03%P. The 10 core holes were drilled resulting in the establishment of iron ore thickness of 8.30m to 26.50m. The drilling results are being evaluated.



Tajimi iron ore core samples

**ii Adogo Iron Ore**

Detailed geological mapping was carried out on the scale of 1:5000 to map out the extent of the iron ore body made up of pitting, trenching and sampling. The ore body was estimated to measure about 500m by 200m with an overburden thickness of 1m. The result of chemical analysis showed iron ore content that ranged from 27.87% Fe to 63.6% Fe while the corresponding Phosphorus and Sulphur ranged from 0.54%P to 1.15%P and 0.29%S to 0.83%S respectively.



### iii Kurungu Iron Ore

Detailed geological mapping was carried out on the scale of 1:10000 to map out the extent of the ore body comprising pitting, trenching and sampling. The exercise established a Northern iron ore body that measures about 500m by 400m and a southern ore body measuring about 200m by 100m. The result of chemical analysis showed iron ore content to range from 36.08% Fe to 60.56% Fe, while the corresponding Phosphorus and Sulphur content ranged 0.23%P to 1.60%P and 0.30%S to 1.22%S respectively.

### iv Kukar Soba Iron Ore

Detailed geological mapping was carried out on the scale of 1:10000 to map out the extent of the iron ore body made up of pitting, trenching sampling and analysis. The result of chemical analysis showed iron ore content that ranged from 23.5%Fe to 54.9% Fe.

### v Libeli-Issana-Nasko Iron Ore

Detailed geological mapping was carried out on the scale of 1:10000 to map out the extent of the iron ore body made up of pitting, trenching, sampling and ground geophysics that recommended the drilling of 30 core holes. The exercise established an iron ore body measuring about 5kmX80m grading 31%Fe, 0.44%P, 8.5%Mn. Drilling equipments were mobilized in December 2019.



**Measurement of magnetic susceptibility and pitting at Libele-Nasko**



**vi Kambala Iron Ore**

Detailed geological mapping was carried out on a scale of 1:10000 to map out the extent of the iron ore body made up of pitting, trenching, sampling and ground geophysics. The exercise estimated an iron ore body that measures 300m by 200m. The result of chemical analysis showed iron ore content that graded about 43.45%Fe, 0.51%P and 0.51%S.

**vii Dadoru-Wakka Iron Ore**

Detailed geological mapping was carried out on the scale of 1:10000 to map out the extent of the ore body including pitting, trenching and sampling. The result of chemical analysis showed iron ore content to be ranging from 28.39 to 35.96%, while that of Phosphorus and Sulphur are; 0.59% to 0.76% and 0.41 to 0.52% respectively.

**viii Gangaren-Mata Iron Ore**

Detailed geological mapping was carried out on the scale of 1:10000 to map out the extent of the ore body including pitting, trenching and sampling. The result of chemical analysis showed iron ore content to be ranging from 65.73 to 70.40%, while that of Phosphorus and Sulphur are; 0.47 to 0.784% and 0.39 to 0.64% respectively.

**ix Gidan Buzu Iron Ore**

Detailed geological mapping was carried out at Gidan Buzu iron ore resource on the scale of 1:10000 to map out the extent of the ore body. Activities carried out included pitting, trenching, sampling and laboratory analysis. The result of chemical analysis showed iron ore content that ranged from 56%Fe to 60%Fe, with phosphorus and sulphur grading about 0.45%P and 0.6%S. Core drilling exercise was carried out with eleven (11) core holes drilled. The iron ore thickness ranges from 0.58m to 4.2m.



Diamond core drilling operations at Gidan Buzu DG/CEO with drilling crew at Gidan Buzu iron site during monitoring visit

- I. Completion of Angular diamond core drilling at Garin Auwal gold project site carried out by the Consultancy Unit of the Agency.



**Angular Core Drilling Operation at Garin Auwal Gold Project, Fakai LGA, Kebbi State**

#### 4.4 FINANCIAL MATTERS - APPROPRIATION, RELEASES AND UTILIZATION

The Agency's financial transactions during 2019 were carried out electronically through REMITA, GIFMIS and Integrated Personnel & Payroll Information System (IPPIS). The Agency operated Treasury Single Account throughout 2019.

##### 4.4.1 2019 Budget Performance

Summary of Budget appropriation, releases and utilization for year 2019 is presented in the table below. While the detailed capital performance is attached as ANNEX 1. The Agency received 40% of its Capital Appropriation in the 4<sup>th</sup> Quarter of the year under review. With the resources available, the Agency was able to implement its priority projects as highlighted above and detailed in the Annex.

Other payments received by the Agency include payments on Zonal Intervention Project at Mani Bindawa Federal Constituency of Katsina State, and consultancy services (NIMEP Lot A5 (iron ore) contract and laboratory services rendered to mining operators). Summary of Receipts / payments are as shown in Table 1.

NSRMEA also received capital equipments whose procurement processes commenced in 2018 but were delivered to the Agency in 2019. Amongst these were the receipt of HYDX-6 Crawler Mounted Drilling Rig and Geoform Thin Sectioning equipment amongst others

**TABLE 1: SUMMARY OF 2019 BUDGET APPROPRIATION AND RELEASES**

S/N	DESCRIPTION	APPROPRIATION (₦)	RELEASES /RECEIPTS (₦)	UTILIZATION (₦)	PERF (%)	BAL (₦)
1	CAPITAL	876,035,436.41	350,414,170.40	350,414,164.00	40%	6.40
2	PERSONNEL	488,705,467.00	597,841,837.99	597,841,837.99	122%*	0.00
3	OVERHEAD	73,709,852.00	42,889,928.91	42,889,928.91	58%	0.00
	TSA SUB ACCT S (Zonal Intervention, NIMEP Project, etc)	-	354,893,639.91	337,168,833.26	-	17,871,444.74
	<b>TOTAL</b>	<b>1,438,450,755.41</b>	<b>991,145,937.30</b>		<b>69%</b>	

**\*NOTE:**

Payment of outstanding promotion arrears were responsible for the higher figures released for Personnel.

**4.4.2 Internally Generated Revenue (IGR)**

A total of eighty million, nine hundred and fifty-one thousand, five hundred and eighty-three Naira Eighty-Nine Kobo (₦80,951,583.89) only was generated as internally generated revenues during the period under review as shown in Table 2.

S/N	DESCRIPTION	AMOUNT(₦)
i	VAT & WHT (Capital Projects and outsourced)	32,479,492.63
ii	Consultancy Services (Remitted to Sub Treasury Acct)	900,000.00
iii	<b>Sub-Total</b>	<b>33,379,492.63</b>
iv	VAT, WHT and Stamp Duty deducted by the Ministry on NIMEP payments	<b>47,572,091.26</b>
	<b>GRAND T O T A L</b>	<b>80,951,583.89</b>

**4.5 CHALLENGES**

Major challenges faced during the period under review included:

- (a) Security which hindered exploration activities in some parts of the country, especially Zamfara, Kaduna and Borno States; and
- (b) Funding challenges arising from incomplete release of appropriated fund resulting in delays in completion of projects and backlog of fees for outsourced services.

**ANNEX 1**

**2019 CAPITAL BUDGET PERFORMANCE**

S/N	BUDGET CODE	PROJECT TITLE	APPROPRIATION	RELEASES	UTILIZED	PERF	REMARKS
1	ERGP30127285	BAUXITE EXPLORATION AT ORIN EKITI	200,000,000.00	200,000,000.00	200,000,000.00	100%	Detailed geological, topographical Survey and Profiling on scale 1:5000 on Blocks 2, 2B and 2D Chemical, minerology & engineering parameter tests. Core drilling of ten (10) boreholes Acquisition & production of topographic HDEM shape files at Block 2B Detailed geophysical survey including resistivity and Seismic Acquisition, processing & interpretation of Air borne & radiometric data. 1No XRD machine with accessories Computers and periphererals procured 2No Toyota Hilux 4x4 double cabin procured
2	ERGP30127332	CHROMITE EXPLORATION AT TUNGAN KUDAKU	85,589,595.41	-	-	0%	



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S/N	BUDGET CODE	PROJECT TITLE	APPROPRIATION	RELEASES	UTILIZED	PERF	REMARKS
3	ERGP30127383	MANGANESE EXPLORATION AT MAIKUJERI	235,743,374.00	-	-	0%	
4	ERGP30127393	SILICA SAND EXPLORATION AT IGBOKODA	89,268,000.00	85,414,174.40	85,414,168.00	96%	Detailed geological/ investigation Engineering geological/ geotechnical investigation Laboratory investigation Excavation of exploratory pits 1No Toyota Prado Jeep Desktop, Laptops computer and peripherals procured
5	NSRMEA15127402	IRON ORE EXPLORATION AT YOLA NORA	100,434,467.00	-	-	0%	
6	NSRMEA162127451	PROCUREMENT OF X-RAY FLOURESENCE SPECTROSCOPY MULTILOADER/ MULTIPURPOSE	65,000,000.00	65,000,000.00	65,000,000.00	100%	1No XRF Multiloader/ Multipurpose procured
7	ERGP80100996	CONSTRUCTION AND FURNISHING OF 1 BLOCK OF 6 CLASSROOMS IN UPAKE PRIMARY SCHOOL	25,000,000.00	-	-	0%	
8	ERGP80100997	CONSTRUCTION AND FURNISHING OF 1 BLOCK OF 6 CLASSROOMS IN	25,000,000.00	-	-	0%	

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S/N	BUDGET CODE	PROJECT TITLE	APPROPRIATION	RELEASES	UTILIZED	PERF	REMARKS
		ADOGO PRIMARY SCHOOL					
9	ERGP80100998	MINERALOGICAL SURVEY AND APPRAISAL IN AJAOKUTA FEDERAL CONSTITUENCY AND YAGBA FEDERAL CONSTITUENCY	50,000,000.00	-	-	0%	
<b>TOTAL</b>			<b>876,035,436.41</b>	<b>350,414,174.40</b>	<b>350,414,168.00</b>	<b>40%</b>	



## 5.0 MINING CADASTRE OFFICE

Following the Federal Government's mining sector reform of 2006; The Mining Cadastre Office was established as an Agency in line with the provision of section 5(1) of the Nigerian Minerals and Mining Act (NNMA) 2007. The coming into effect of this Act in 2007 saw the transformation of the office into an autonomous Agency with the responsibility of Management and Administration of Mineral Titles, which is considered to be the cornerstone of a secured mineral right system. The Agency has a Director-General/CEO as its head with four departments headed by Directors namely, Registry, Concession, Human Resources and Finance and Monitoring and Coordination. There are also four units made up of Legal, Internal Audit, Information Technology (ICT) and Public Relation and Protocol Units.

In the implementation of the reform project, the World Bank through the Sustainable Management of Mineral Resources Project (SMMRP) contracted a German consulting firm Messrs GAF to develop the operational software for the full computerization of the Mining Cadastre System for the Agency. This was based on the provisions of the Nigeria Mineral and Mining Act, 2007 and Nigeria Mineral and Mining Regulations, 2011 in order to standardize all procedures for processing and granting of Mineral titles in line with the best international practices. The result of this intervention provided the SIGTIM application software, Geodetic Survey network of the country, and central headquarters for the MCO amongst others.

One of the notable events that took place early in the year was the handing of baton from the former Director-General, Engr. M. K. Amate to Engr. O. S. Nkom, who took over the office of the D-G from 11<sup>th</sup> January, 2019. The office also shutdown to receiving of applications for mineral titles from March 8<sup>th</sup> to July 7<sup>th</sup> 2019. The shutdown was to enable the upgrade of the system which is funded by World Bank and being implemented by GAF-AG. Within the period of the shutdown, staff were engaged in ensuring a clean database and ridding the Records room of all invalid files.

In the year 2019, Nigeria Mining Cadastre Office received a total of **2,153** applications for various mineral titles and granted **1,824** and Issued **1,477**. The revenue profile of the office raised from **N1.55b** in 2018 to **N2.59b** in 2019 representing an increase of **67.09%**. The office published in the national dailies a total of **1,530** mineral titles for not meeting up with the provisions of the Nigeria Mineral and Mining Act, 2007

### **5.1 MINING CADASTRE OFFICE (MCO) MANDATES**

The Mining Cadastre Office shall in addition to other functions prescribed under the Nigerian Minerals and Mining Act, 2007 perform the following functions:

- (i) Receive, consider and dispose applications for mineral titles and permits and applications for the transfer, renewal, modification and relinquishment of mineral titles or extension of mineral title concession areas;
- (ii) Grant, issue, suspend and (with the approval of the Minister) revoke mineral titles;
- (iii) Maintain a chronological record of all applications for mineral titles in a Priority Register and General Register and maintain the cadastral registers;
- (iv) Create and maintain a database of all mineral titles and applications; and
- (v) Create and maintain a cartographic database of all mineral titles and applications in both paper and electronic formats (the cadastral maps).

The current position of the Agency's full implementation of these functions as an autonomous body has resulted into an increase in attracting of Foreign Direct Investment (FDI) into the sector thereby generating substantial revenue to government

### **5.2 ACTIVITIES**

The Mining Cadastre Office has carried out the following task since inception

- I. Cleaning up of the database due to backlog and full operationalization of SIGTIM programme:
  - a. Revoked titles that have defaulted in terms of payment of their annual service fees and other contraventions of the Act;
  - b. Deleted all expired mineral titles from data base

## c. Withdrawal of all provisional grants not collected

S/NO	TITLE TYPE	APPLICATIONS RECEIVED	GRANTS ISSUED	VALID TITLES	REVOCKED	REFUSED
1	EL	<b>14,616</b>	8,785	1,930	2,133	6,786
2	ML	<b>369</b>	206	293	36	163
3	QL	<b>8,142</b>	4,524	1,209	2,188	3,618
4	SSML	<b>6,718</b>	3,625	2,066	640	3,093
5	RP	<b>1,796</b>	1,467	195	0	329
6	WUP	4	3	3	0	0
7	<b>TOTAL</b>	<b>31,645</b>	<b>18,609</b>	<b>5,696</b>	<b>4,997</b>	<b>13,034</b>

- ii. Publication of all applications, grants, refusals, and grants of mineral titles in both print and electronic media.

Below is a summary of all applications for various Mineral titles received and processed by MCO since inception as well as graphical presentation of these information

#### 4.0 STATISTICAL ANALYSIS OF TRANSACTIONS FROM 2006 TO 2019

Table: 1

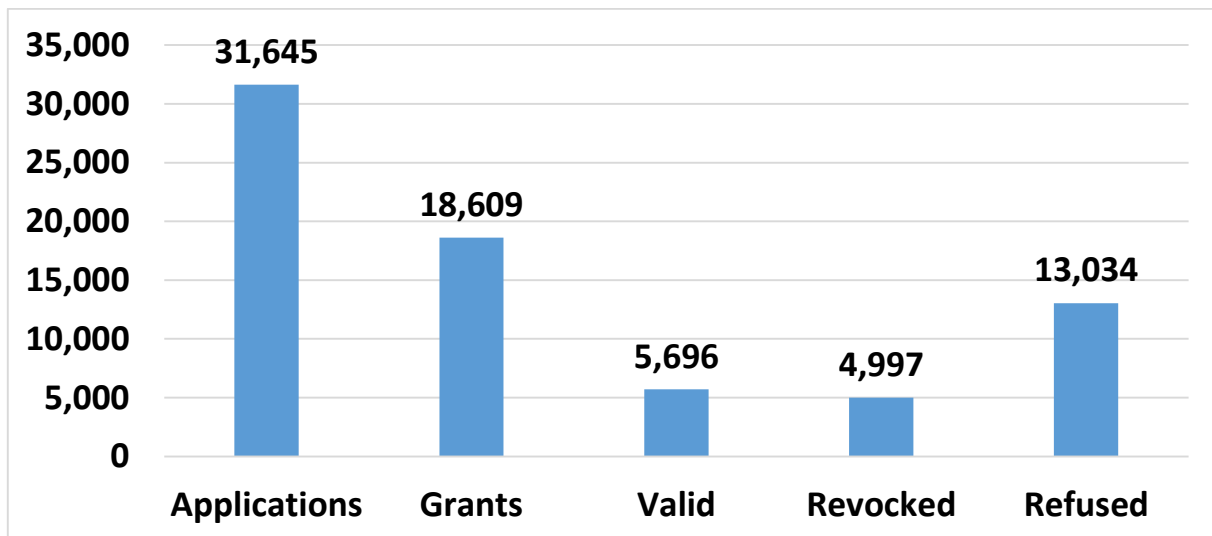


Fig. 14.1 **BAR-CHART SHOWING ACTIVITIES FROM 2006 TO 2018**

From 2006 to 2019, a total number of 31,645 applications for mineral titles were received; and 18,609 were approved for grants while 13,034 were refused for non-compliance with the Nigerian Mineral and Mining Act 2007. Thus 4,997 mineral titles were also revoked for

contravening the Act or failure to meet the desired obligations spelt-out in the NMMA, 2007.

#### 4.0 APPLICATIONS FOR MINERAL TITLES RECEIVED IN 2019

SN	TITLES	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	EL	79	50	148	0	0	0	96	66	71	102	93	98	803
4	ML	2	2	8	0	0	0	5	2	3	3	2	1	28
3	QLS	21	25	44	0	0	0	32	20	34	29	28	22	255
2	SSML	110	73	160	0	0	0	88	53	85	91	88	106	854
5	RP	7	12	15	0	0	0	50	38	21	30	13	27	213
	WUP	0	0	0	0	0	0	0	0	0	0	0	0	0
6	<b>Total</b>	<b>219</b>	<b>162</b>	<b>375</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>271</b>	<b>179</b>	<b>214</b>	<b>255</b>	<b>224</b>	<b>254</b>	<b>2153</b>

Table: 2

#### 5.1 Bar-Chart Showing Applications Received in year 2019

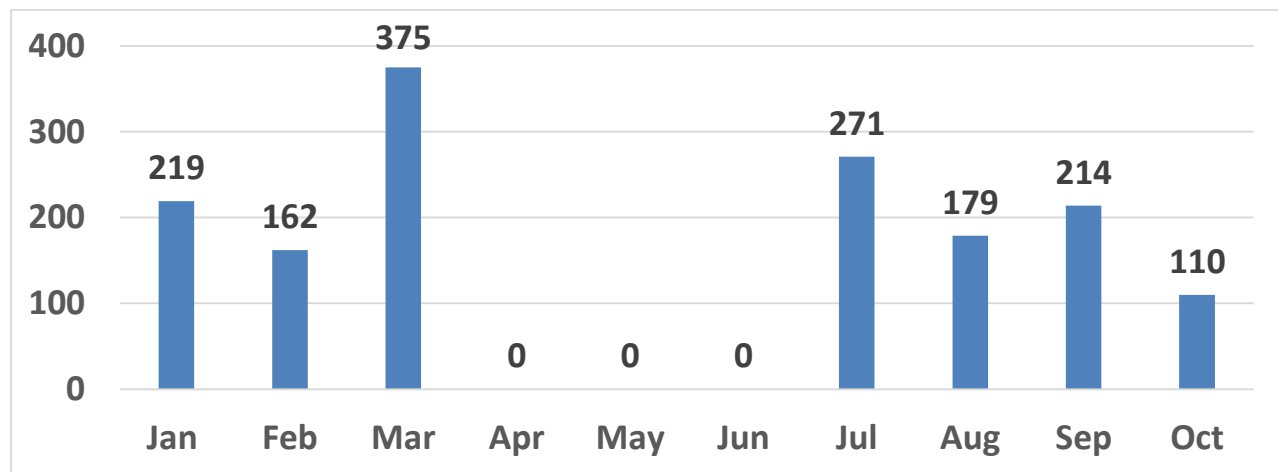


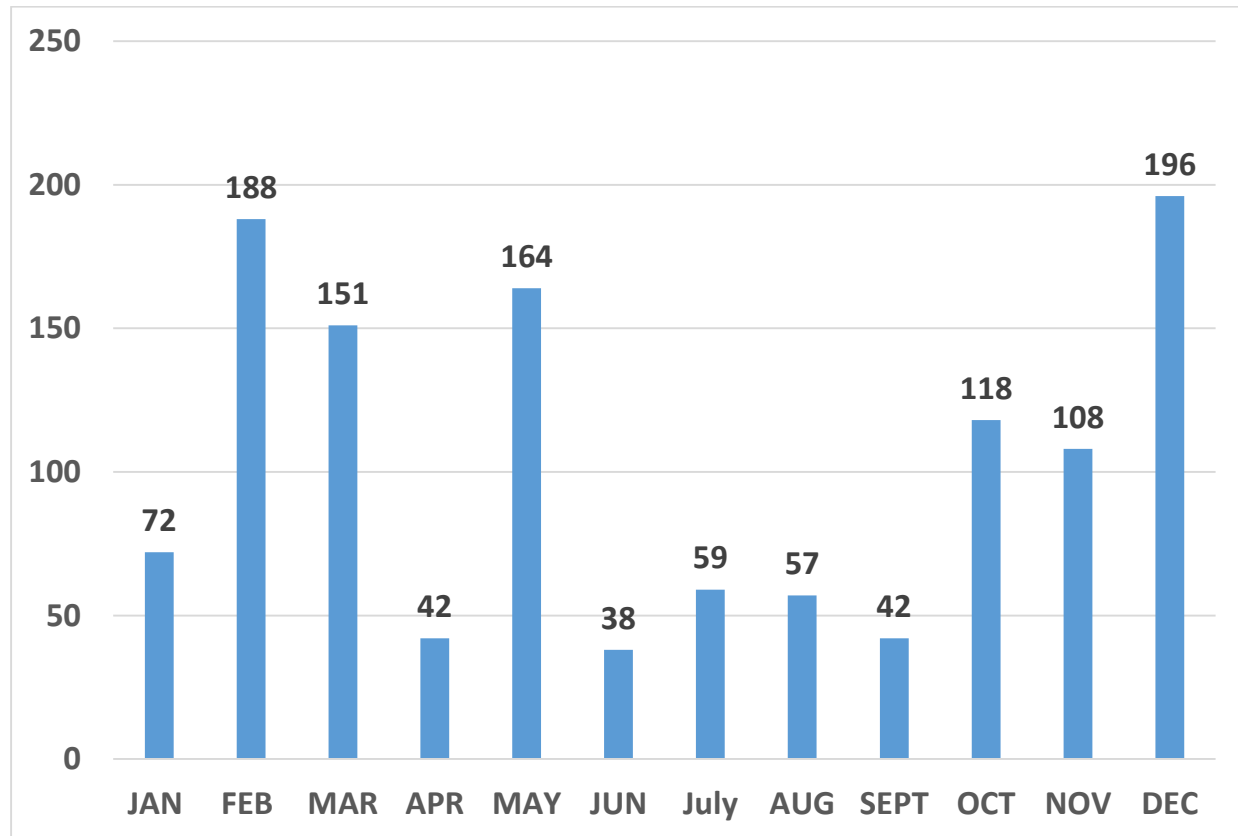
Fig. 2

A total of **2,153** applications for mineral titles were received in the year 2019. The was close to receiving of applications from 18 March to 7<sup>th</sup> July, 2019. This account for the zero-number received in April to June. The highest number was received in the month of March and zero in the months of April, May, June. The **average** number received per-month was **179**

#### 5.0 SUMMARY OF GRANTS MINERAL TITLES PER MONTH IN 2019

SN	TITLES	JAN	FEB	MAR	APR	MAY	JUN	July	AUG	SEPT	OCT	NOV	DEC	Total
1	EL	19	64	54	15	68	15	3	12	3	32	42	59	<b>386</b>
4	ML	10	2	1	2	7	0	0	0	0	0	4	3	<b>29</b>

3	<b>QLS</b>	4	21	18	9	24	2	0	4	3	14	21	27	<b>147</b>
2	<b>SSML</b>	32	89	63	16	65	21	6	3	15	42	28	80	<b>460</b>
	<b>RP</b>	7	12	15	0	0	0	50	38	21	30	13	27	<b>213</b>
5	<b>Total</b>	<b>72</b>	<b>188</b>	<b>151</b>	<b>42</b>	<b>164</b>	<b>38</b>	<b>59</b>	<b>57</b>	<b>42</b>	<b>118</b>	<b>108</b>	<b>196</b>	<b>1235</b>

**Table 4**
**7.1 Bar-Chart Showing Number of Issued Mineral Titles on Monthly bases for 2019**

**Fig. 4**

A total of **1,235** mineral titles were Issued in year 2019. The month of December had the highest followed by February and May with 196, 188 and 164 respectively. Only 38 were issued in June. The average for the year per month was 102.92

**6.0 SUMMARY OF ISSUED MINERAL TITLES PER MONTH IN 2019**

SN	TITLES	JAN	FEB	MAR	APR	MAY	JUN	July	AUG	SEPT	OCT	NOV	DEC	Total
1	EL	76	48	19	1	77	22	64	37	34	47	39	14	<b>478</b>

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4	ML	9	5	1	0	6	0	0	0	0	0	0	6	27
3	QLS	21	12	3	0	33	21	5	15	21	14	14	11	170
2	SSML	1	204	52	0	73	64	32	38	41	34	8	58	605
	RP	12	22	0	0	0	15	32	35	25	0	33	22	196
5	Total	119	291	75	1	189	122	133	125	121	95	94	111	1476

Table: 3

## 6.1 Bar-Chart Showing Number Issued Mineral Titles per Month in 2019

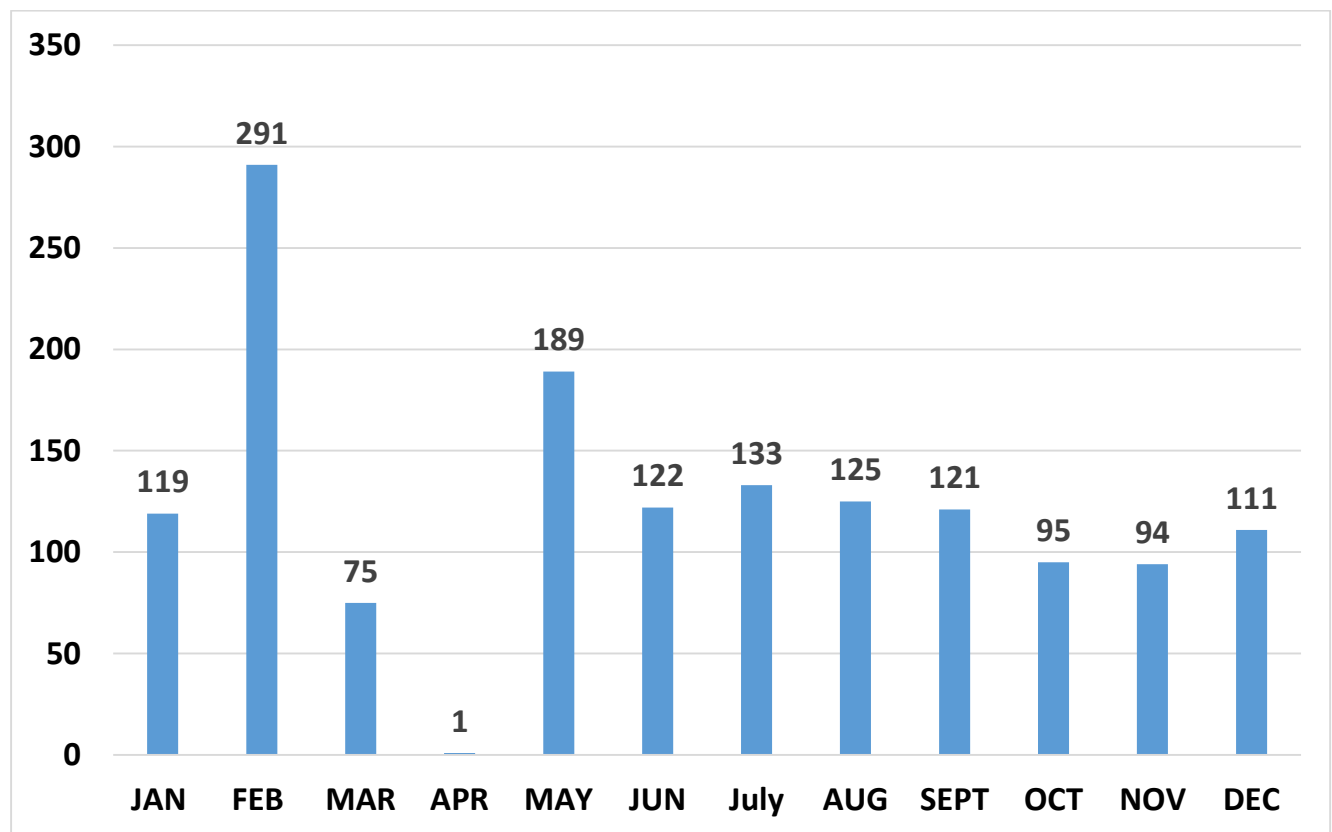
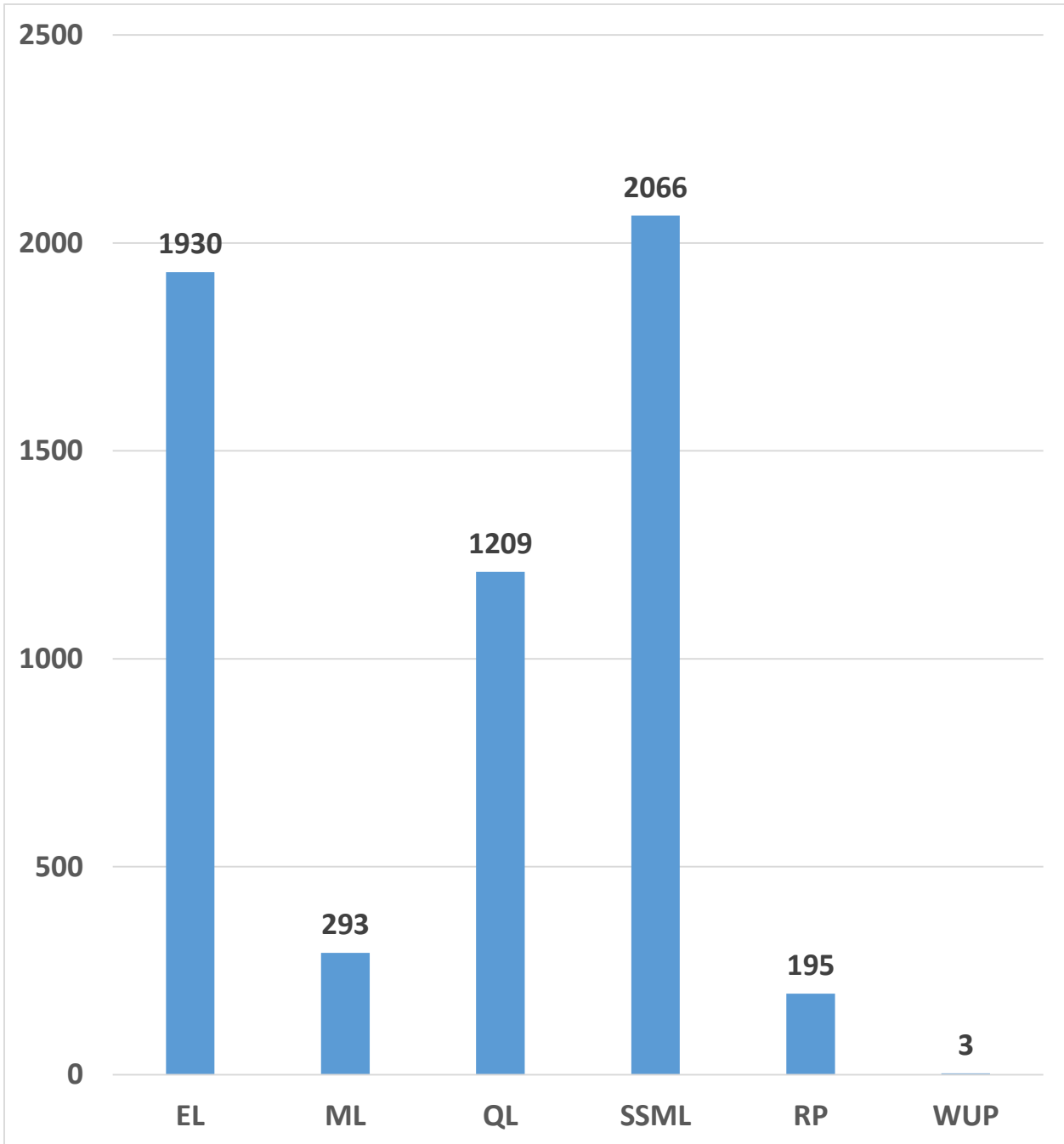


Fig. 3

A total of **1,476** mineral titles were issued in the year 2019. The month of February had the highest with **291** while April had the least with **1**. The average number issued per month was **123** mineral titles.

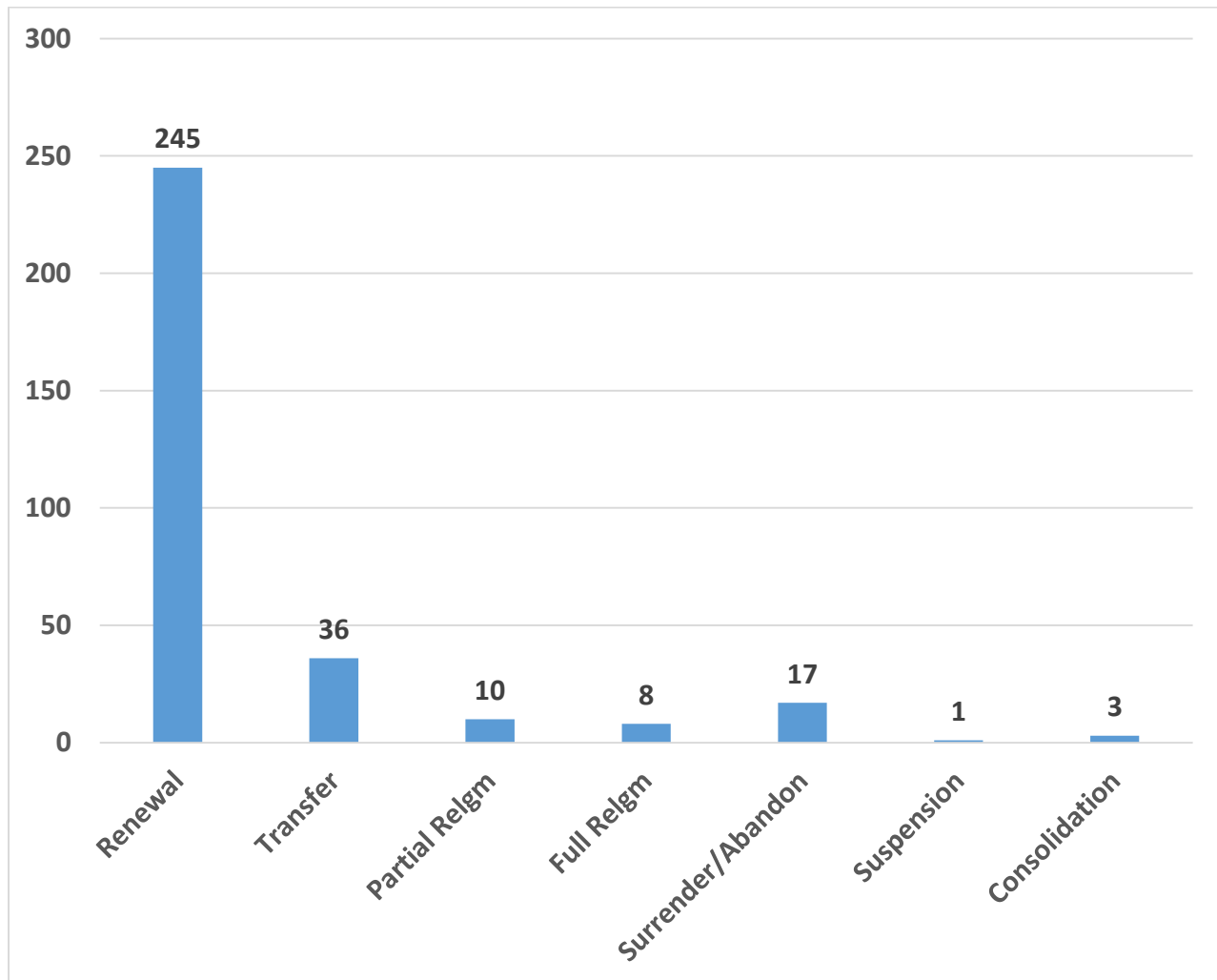
**9.0 VALID MINERAL TITLES AS AT DECEMBER, 2019**

**Fig. 6**

During the year under review, the data base of the office was rid of revoked and expired mineral titles. At the end of the exercise, a total of 5,696 valid mineral titles were found remaining which is made up of: EL: 1,930; ML: 293; QL: 1,209; and SSML: 2, 066 and RP: 195; WUP: 3



### 10.0 MODIFICATIONS

**Bar-Chart Showing Number of Different types of Applications for Modifications Received in 2019**



**Fig. 7**

A total number of 320 applications for modification were received in 2019. Within the period under review, the most active form of modification is Renewal followed by Transfer and Surrender/ Abandon the following number of applications were received on them 245, 36 and 17 respectively. Others are Partial/Full Relinquishment, consolidation and suspension, 10, 8, 3 and 1 applications respectively.

### 10.1 Renewals:

S/No.	Type	Applications	Evaluated	Approval
1	EL	168	150	85
2	ML	0	1	2
3	QL	58	51	52
4	SSML	14	15	11
5	RP	5	4	2
6	<b>Total</b>	<b>245</b>	<b>221</b>	<b>152</b>

**Table: 5**

The table above shows that 245 applications for renewals of mineral titles were received in 2019. In the same year, approval was obtained for 152. Those still pending are being evaluated or awaiting inputs from the Mines Inspectorate Department of the Ministry.

### 10.2 Transfers:

S/No.	Type	Applications	Treated	Endorsed	Pending
1	EL	12	6	6	6
2	ML	3	1	0	2
3	QL	16	12	11	5
4	SSML	5	3	3	2
6	<b>Total</b>	<b>36</b>	<b>22</b>	<b>20</b>	<b>15</b>

**Table: 6**

A total of 36 applications were received for Transfer/ Assignment. 20 were approved and endorsed. Some of the applications are pending are due to additional requirements to be supplied and payments to be made by Transferors.

### 10.3 Other Types of Modifications

S/No.	Types of Modifications	No. Of Applications	Endorsed	Pending
1	Partial Relinquishment	10	9	1
2	Full Relinquishment	8	8	0
3	Consolidation	3	3	0
	Surrender/Abandon	17	15	2
4	Suspension	1	1	0
5	<b>Total</b>	<b>39</b>	<b>36</b>	<b>3</b>

**Table: 7**

### 11.0 REVENUE GENERATION 2019

Major sources of Revenue in the Agency are:

- i. Annual Service Fees;
- ii. Application/Processing Fee;
- iii. Renewals
- iv. Transfers/ Assignments;
- v. Information and Printing of Cadastral Maps
- vi. Due diligence search amongst others.

Within the year under review, the office realized the sum of **two billion, five hundred and ninety million naira (N2.59b)**

### 9.1 BAR-CHART SHOWING MONTHLY REVENUE GENERATION IN YEAR 2019

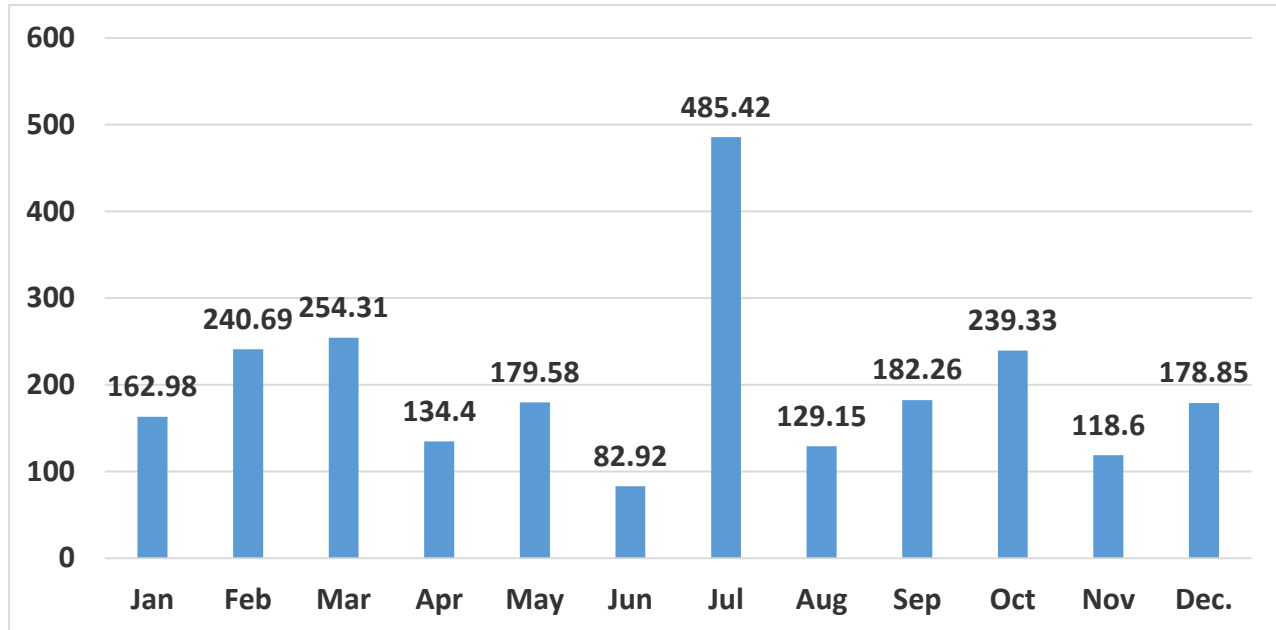
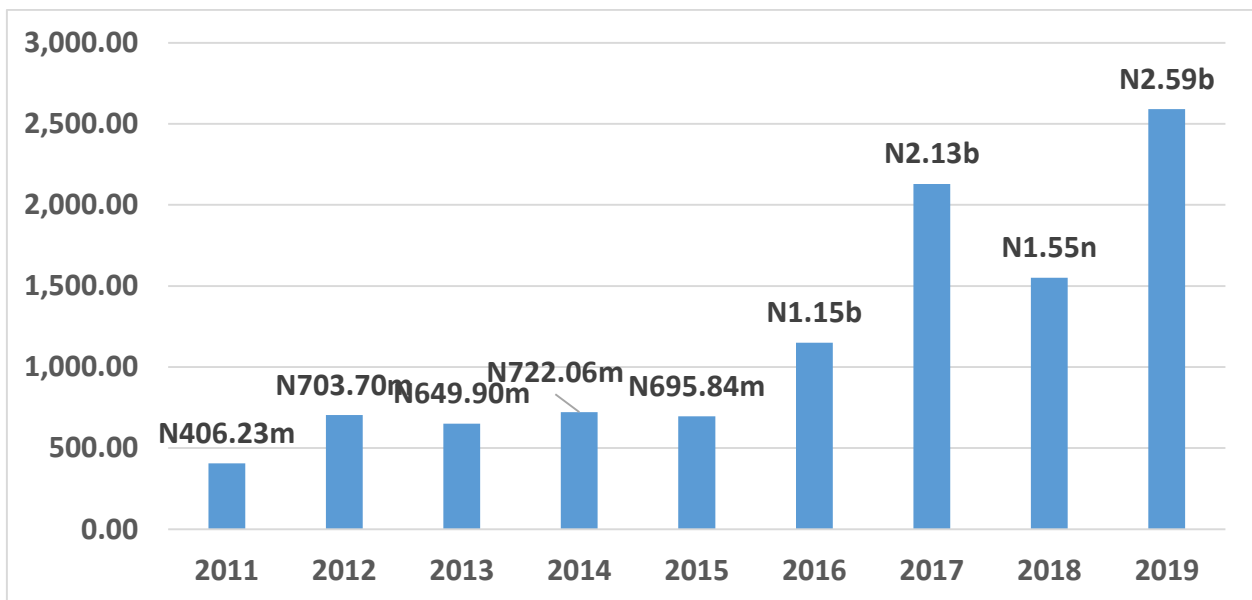


Fig. 9

MCO generated the sum of **N2.59b** in 2019. **75.11%** of this was generated from **Annual Service Fees**. This was followed by **17.92%** from **Registration Fees**. The highest revenue (**N210.97m**) was generated in the month of December while the lowest (**N81.72m**) was in March. The peak in November and December were maintained due to the publication of the list of defaulters by the office. The monthly average was **N129.28m**.

### 9.2 BAR-CHART SHOWING REVENUE GENERATED FROM 2015-2019



**Fig. 10**

The revenue generation profile of Nigeria Mining Cadastre Office rose from N1.55 in year 2018 to N2.59b in 2019. The burst seen here was due to policy enforcement within the period.

### 5.3 MONITORING AND COORDINATION ACTIVITIES

The office carried out verification of consent letters submitted by applicants for mineral title from land owners or occupiers. In a few cases, dispute involving boundaries of areas applied for by mineral title applicants were resolved by inviting the parties involved in each case namely, the disputants and the land owners to an interactive meeting at MCO headquarters presided over by the Director-General. The department also carried out site inspections in order to ascertain consent letters submitted by some applicant's/title holders where disputes had arisen.

Site visits were carried out at:

1. Bamishi/Dafara village in Kuje Area Council to resolve dispute over landowner's consent between Messrs Diversified Quarries Limited and Messrs Home Securities Limited on 28<sup>th</sup> March, 2019.
2. Ankpa in Ankpa Local Government Area of Kogi State to resolve a dispute over landowners consent between Messrs Abasa Enterprises Nigeria Limited and Messrs Wadata Group Limited on 9<sup>th</sup> January, 2018.

Matters resolved successfully include:

1. Application number 28006SSML by Messrs Chi-Iheugo Limited was granted after resolving the issue of overlap with 12591EL belonging to Messrs Homeland and Overseas Limited.
2. Application number 26790SSML was granted to Messrs Aqua-gem Mining and Engineering Limited after issue of lack of appropriate consent was resolved between the Company and Messrs Rimco Mining Company Limited holders of 23618EL.
3. Messrs Fakhis Energy Nigeria Limited was granted application number 27319SSML after the issue of refusal on grounds of not obtaining an approval from the FCDA to operate in the FCT.
4. Messrs Mirabilia Dei Petroleum and Gas Limited's 26990SSML was granted after the issues of landowner's consent and overlapping were resolved against Messrs Smart Mining Nigeria Limited's 19096EL.

5. Dispute between LCC Synergy with 22827QLs and Messrs Yiter Quarry Nigeria Limited over consent of landowners in Ishiagu, Ivo Local Government of Ebonyi State was resolved amicably.

**LIST OF ON-GOING LEGAL MATTERS AS AT JANUARY, 2019**

<b>S/ N</b>	<b>SUIT NO</b>	<b>PARTIES</b>	<b>SUBJECT</b>	<b>LOCATION</b>	<b>STATUS</b>
1	FHC/BAU/CS/14/2013	LADAN SABO JUGA, MAL. MAMMAN SALEH & SAIDU VS TONGYI ALLIED LTD.	MINERAL TITLE	FEDERAL HIGH COURT - BAUCHI	ON GOING
2	FHC/UM/CS/239/2015	S.S MINERALS NIG. LTD VS MCO	MINERAL TITLE	FEDERAL HIGH COURT - ABUJA	ON GOING
3	FHC/L/CS/757/2015  APPEAL NO; CA/C/09/17	BASE DEVELOPMENT VS MCO	MINERAL TITLE	COURT OF APPEAL - LAGOS	ON- GOING - COURT OF APPEAL
4	FHC/IB/CS/138/2013	BOMBIL VENTURES VS MCO & OTHER	MINERAL TITLE	COURT OF APPEAL - BENIN	COURT OF APPEAL
5	FHC/L/CS/1673/17	BETWEEN K. ODEDINA IMPEX LIMITED VS HON MINISTER OF MMSD	MINERAL TITLE	FEDERAL HIGH COURT - LAGOS	ON GOING
6	FHC/B/2016	BUA INTERNATIONAL AND ANOR	MINERAL TITLE	FEDERAL HIGH COURT - BENIN CITY	ON GOING

		AND HON.MINISTE R			
7	FHC/PH/CS/37/201 8	RENNINGTON INDUSTRIES LIMITED AND MCO	MINER AL TITLE	FEDERAL HIGH COURT - PORTHARCOU RT	ON GOING
8	FHC/ABJ/CS/964/2 016	DANGOTE INDUSTRIES LTD VS A.G & OTHERS	MINER AL TITLE	FEDERAL HIGH COURT - ABUJA	ON GOING
9	FHC/ABJ/CS/1024/ 1018	IRON ORE MINING COMPONY LIMITED VS ENGR.AMATE & CO	MINER AL TITLE	FEDERAL HIGH COURT - ABUJA	ON GOING
10	FHC/LKJ/CS/36/201 8	ASSET MANAGEMEN T CORPORATIO N OF NIGERIA VS DENCA & OTHERS	MINER AL TITLE	FEDERAL HIGH COURT - LOKOJA/LAG OS	ON GOING
11	FHC/AL/CS/42/201 8	MR DENYER NWUNA OBOM & OTHERS VS MCO & ORS	MINER AL TITLE	FEDERAL HIGH COURT - ABAKALIKI	ON GOING
12	FHC/UM/CS/34/20 18	MR CYRIL UDEJI & CO VS MCO & ORS	MINER AL TITLE	FEDERAL HIGH COURT - UMUAIH	ON GOING



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13	FHC/CS/143/1014	HRH DIRISU & OTHER VS HON MINISTER OF MMSD	MINERAL TITLE	FEDERAL HIGH COURT - BENIN CITY	COURT OF PPEAL
14	FHC/ABJ/CS/344/2018	ABUNI MINING COOPERATIVE SOCIETY VS MCO & FOUR OTHER	MINERAL TITLE	FEDERAL HIGH COURT - ABUJA	ON GOING
15	FHC/LF/CS/31/2918	ALH. USMAN ADAMU VS HON DIRECTOR GENERAL MCO & OTHER	MINERAL TITLE	FEDERAL HIGH COURT - LAFIA	ON GOIN
16	FHC/JS/2017/JOS	GEOTESS NIG LTD VS MCO OTHER	MINERAL TITLE	FEDERAL HIGH COURT - JOS	ON GOING
17	FHC/IKJ/CS/775/2015	RENECON NIG LTD VS MSMD & FOUR OTHERS	MINERAL TITLE	FEDERAL HIGH COURT - LAGOS	ON GOING
18	FHC/L/CS/1930/2019	ALH. RAMON AJIBODE & 2 OTHERS VS MCO & 2 OTHERS	MINERAL TITLE	FEDERAL HIGH COURT LAGOS	ONGOIN G

### 5.4 2019 BUDGET PERFORMANCE

S/No.	Budget Items	Appropriation (₦)	Releases (₦)	Expenditure (₦)	% of releases over appropriation
1	Personnel	117,751,908.00	97,039,759.98	94,747,960.15	82.4
2	Overhead	195,270,604.00	130,180,402.64	129,978,687.86	66.7
3	Capital	383,091,543.00			40
	Adjusted to		153,236,619.20	153,225,345.67	Adjusted to
	153,236,619.20				180

#### 2019 CAPITAL EXPENDITURE (SUMMARY)

S/No.	Expenditure items	Amount(₦)
1	International/local mining convention and exhibition	19,674,696
2	Modern e-recording and archiving of mineral title management system	70,968,806.00
3	Upgrade of the SIGTIM software to Web based/ online mineral title administration	10,963,500
4	MCO office refurbishment	7,500,000
5	Office furniture and equipment	4,762,176
6	Toyota Hiace bus	22,050,000
7	Publication to revoke defaulters	17,306,167
	<b>TOTAL</b>	<b>153,225,345</b>

## 5.5 CHALLENGES

The challenges being experience in the operation of the MCO and the development of the minerals and mining sector in general include but not limited to the followings:

- I. In adequate funding;
- II. Lack of awareness by all stakeholders;
- III. Near absence of field monitoring and adherence to the provisions of the laws;
- IV. Human capacity for effective performance verification of claims, etc;
- V. Poor logistical support in mobility and field equipment.
- VI. Delay in receiving reports from Mines Inspectorate to facilitate renewal applications of Mineral titles.

## **6.0 AJAOKUTA STEEL COMPANY LIMITED (ASCL), AJAOKUTA**

### **6.1 SOLE ADMINISTRATOR'S DEPARTMENT**

The Management and staff worked hard to preserve the array of equipment and facilities many of them erected at sub-zero level. This entails constant supervision, dewatering of tunnels, and maintenance of utility service networks and idle running of equipment. Management equally worked hard to ensure industrial peace and a harmonious relationship with the host communities.

#### **6.1.1 SOLE ADMINISTRATOR'S OFFICE**

The major achievements for the year are highlighted here below:

##### **i. Maintenance of Peaceful Labour Relationship**

The Management was able to resolve the Labour disagreement which led to the successful inauguration of the Nigeria Union of Mine Workers for workers to freely exercise their fundamental rights of free association.

##### **ii. Enrolment of Workers due for Retirement with PENCON**

##### **iii. Biometric Documentation of Staff**

In order to ensure that only bonafide workers are in the Company's pay role, management engaged a consultant to carry out a biometric registration for all its personnel. At the appropriate time when all arrangements are completed, the data base would be useful in ensuring discipline at work places through electric monitoring of reporting and closing time for staff.

##### **iv. Maintenance of The Steel Plant**

Throughout the 800hectare space of the steel plant a large portion of the equipment are erected underground. The same thing applies to building/equipment foundations and cable tunnels and conveyer belt galleries. These undergrounds are

usually having ingress of underground waters round the year. Several Pumps (surface and Submersible) were purchased to carry out this duty. The water level in all the stations have been kept at tolerable levels.

**v. Water Facilities**

The water facilities of the Steel Plant include intake facilities in the River (1<sup>st</sup> and 2<sup>nd</sup> lift Pump house) settling tanks, and 6nos circulating Pump house s. a number of the settling tanks had their capacities reduced significantly by mud sediments. Management successfully carried out the evacuation of mud from these tanks thereby restoring their useful capacities.

The maintenance of the lift pumps and circulating pumps were all ensured. The supply of process water to all parts of the plant and raw water to the treatment plant for potable water supply to township were ensured.

**vi. Industrial Sanitation**

Clearing of grasses and shrubs on the green areas of the Steel Plant were carried out frequently. This is to protect the facilities from fire hazards and eliminate covers for criminal activities. It is a continuous exercise.

**vii. Maintenance of Transport Facilities**

Management reactivated 2 city train buses and 6 coaster buses to enhance movement of workers to enhance movement of workers to work and back.

**viii. Reactivation of The Thermal Power Plant**

Management embarked on the reactivation of the captive thermal Power Plant in order to generate internally needed electricity while the excess is to be transported to the national grid.

The reactivation exercise has been completed on boiler No1, turbine No1 and generator No 1 and all the auxiliaries including facilities for the supply of

dematerialized water, cooling towers etc. Load test has since commenced and essential adjustments and resolution of minor technical issues are ongoing.

**ix. Reactivation of the Engineering Workshops**

Some level of reactivations was carried out on Sundry equipment of the engineering workshops to enable the production and reconditioning of Parts required at the operating equipment of the Steel Plant.

Some Services Were Equally Provided for External Agencies. It is hoped that with adequate Publicity and injection of more funds, the ASCL Engineering Workshops would provide repair services to many organizations in Nigeria which are normally taken outside the Country

**x. Verification f ASCL Houses, Land Allocations Temporary Structures and Other Prosperities**

Management carried out the verification of its houses, lands, temporary Structure and other properties. Upon the submission of the report, Management sought and obtained the approval of the Hon. Minister of mine and Steel Development to engage property consultants for effective Management. The management has engaged the services of M/s Proquest LTD. this measure is aimed at ensuring the proper tracking of ASCL, Properties and to block all revenue leakages.

**6.2 CORPORATE AFFAIRS**

**A. Corporate Services**

- i. Prepared Status Report, other Reports and Addresses.
- ii. Carried out Technical Audit of the entire Steel plant and equipment
- iii. Did Companywide Monthly Progress Report for all the months of the year.
- iv. Coordinated and provided secretarial services for various Management Committees.
- v. Monitored activities of Departments on behalf of the Sole Administrator

- vi. Coordinated the visit of Sundry delegations to the company and prepared sundry services for the success of the visits.
- vii. Maintains a data bank for the Company's activities

**B. New Initiative**

- i. Preparation and presentation of ASCL activities for several visitations to the steel company throughout the year 2019. Such presentations were also prepared in CDs and blinded hard copies.
- ii. Facilitated various Trainings, Meetings, Seminars and Conferences held in ASCL.
- iii. Under took study visits to various shops in the plant site to upgrade ASCL Presentations in the year.
- iv. Prepares and represents the Company at exhibitions together with the Public Affairs and Information Unit.
- v. New Initiative was in the Task Force Committee on perennial water problems in the Steel territory.
- vi. New Initiative coordinated the scheduled training for Material and Metallurgical Engineering students, University of Lagos on their 6-Month Engineering Internship programme with ASCL, (July - December, 2019)

**6.2.1. PUBLIC AFFAIRS AND INFORMATION DIVISION**

Public Affairs and Information Division is responsible for the corporate image of the organization and its duties amongst others includes; media relations and information management, publications, corporate printing of information materials and advertisement. Others are events management and protocol, external travel management, community relations, photography and film amongst others.



## ACHIEVEMENTS

- **BRAND MANAGEMENT**

- Produced Top Management staff ID Cards
- Designed and produced Visitors gate pass.

- **PHOTOGRAPHY**

- Recorded several memorable pictures of various activities of the company and made photo news
- Display of same

- **MANAGEMENT FUNCTIONS**

- Participated in several committee meetings
- Facilitated series of meetings between Sole Administrator and Top Management as well as Sole Administrator and other departments, divisions and union leaders amongst others

- **MEDIA MANAGEMENT**

- Arranged Media Coverage of the visit of the Honorable Minister of Federal Ministry of Mines and Steel to Ajaokuta.
- Hard news generated from various activities of the company, Sole Administrator and High Profile visits
- Monitoring Internet and News Papers on ASCL News Stories.

### **MA&WB CONFERENCE ROOM AND AUDITORIUM**

The MA&WB Conference Room and Auditorium is under the supervision of Head of Public Affairs & Information, to monitor, coordinate and facilitate all the activities

### **PROTOCOL & EXTERNAL TRAVEL MANAGEMENT**

- VIP VISITS INTERALIA**
- Visit of officers of the Nigerian Foreign Academe.
  - Visit of House Committee on Steel to ASCL
  - Visit of the Honorable Minister of Mines & steel
  - Honorable Commissioner for Works Lokoja

**EDUCATIONAL VISIT:**

Fourteen tertiary institutions visited the plant. Among them are;

(1) Plateau State Polytechnic, National Open University Lokoja, Federal University of Technology Mina, Federal Science and Technical College Ijibu Ogun, Federal University Oye- Ekit, Federal Polytechnic Nasarawa State, Federal University Abuja, Kogi State Polytechnic Lokoja , Kwara State Polytechnic Malete, Federal Polytechnic Idah, University of Benin, Ahmadu Bello University Zaria, Kwara State Polytechnic

FCT college of Education Zuba

**External Travel Management:**

Seven letters of introduction were issued to people seeking for visa and they were all successful.

**Media & Information Management**

- Facilitated the use of both conference room and auditorium.
- Daily monitoring of newspapers to ensure ASCL is represented in good light.
- Processed top Management staff identity cards for officers on GL15 and above.
- Production of certificate for existing staff.

**Constraints**

The challenges of funds are major constraints and this has limited our scope of engagement.

- Lack of operational equipment; professional skill camera, video camera, scanner, photocopier.
- Lack of logistic vehicle.
- Request for a professional photographer/cameraman.

## D. Information Technology

- i. Repair/Maintenance of Computer Hardware and its accessories
- ii. Repair/Maintenance and administration of Network Infrastructure
- iii. Installation and maintenance of Kaspersky Antivirus on clients and servers
- iv. Installation of Softwares on clients and servers.
- v. Implementation of system backups upgrades and security policies.
- vi. ASCL Web Content Management and Administration.

### Challenges/Requirements

- i. Lack of Training of IT section personnel due to scarcity of fund
- ii. Upgrade of ASCL Website to meet the optimal standar
- iii. Procurement of license media converter to enhance conversion and upload of media files.
- iv. Procurement of MS Office 360 or MS Exchange/Outlook Servers and softwares for the Company's internal mailing system.
- v. Procurement of electronics/computer repair tool kit.
- vi. Procurement of new cooling systems in the Server Room and 6 other IT offices.
- vii. Procurement of Kaspersky endpoint Security system (50 users) client server version.
- viii. Procurement of 6 computer systems, 1 printer and 1 scanner for IT section.
- ix. Renewal of Internet Subscription

### 6.2.2 AUDIT DIVISION

The Internal Audit provide a complete and continuous audit of account, record of revenue and expenditure, plant and stores of the company.

Focus Areas of the Internal Audit for now are:

- Prepayment Audit
- Post payment Audit
- Stores verification Audit

- Audit of school Division
- Audit of Medical Division
- System Audit.

The under listed are summaries of the unit activities for the period under review:

1. Examination of all the company books of transaction during the period under review to ascertain the extend of compliance with established policies, procedures, instructions and directives as it affects financial transactions before payments were affected.
2. Examination of local and foreign contract before LPO is issued and payment made.
3. Examination of medical account to ensure that all receipt and payment are properly recorded in their books of account and cash are remitted to the bank promptly.
4. Auditing of bank reconciliation statement.
5. Examination and stores verification with particular reference to stock, material management, inspection of goods supplied to the company or direct purchase to ensure that exact requirements are met (specification, quality and quantity) and that the system and procedures were followed a defined by the SOP.
6. Ensuring that revenue and advances collected are accurately accounted for.
7. Examination of school management board account (income and expenditure) to ensure compliance to the approved budget for each term and the record of their bank balances.
8. Examination of all contractors' bills before payments were effected.
9. Examination of contract staff salaries, contractors' bills as well as overtime claim before payment were effected.
10. Examination of guest house and canteen registers to ensure records are maintained and cash payment are remitted to the cashier promptly.
11. Raising queries when there is failure of compliance in accordance with the provisions of the financial regulation.
12. Ensure compliance to statutes and corporate policies.
13. Participation in the annual stocktaking and reporting on same.

14. Ensuring that in depth examination of the internal control system and procedures are in force.
15. Preparation of end of year report.
16. Oversight functions to various Units, Sections and Departments.
17. The units also participate in other functions as may be directed by the management.

## MAJOR ACHIEVEMENTS

Below are our achievements made so far:

1. The safeguards introduced for the prevention or the prompt detection of fraud and loss of cash are adequate.
2. The system of control for the collection of revenue introduced is adequate and all money recorded have been promptly brought to account.
3. The system for the control of expenditure is in order and all payments made are properly authorized as instructed.
4. The system for the control of issues and consumption of stores is adequate (properly authorized and correct).
5. There are adequate means for verification of all cash, stores and plants held.
6. The accounting records are accurate to a large extends.
7. The internal control system is being adhered to strictly.

### 6.2.3 LEGAL DIVISION

#### ACTIVITIES

The following activities were carried out by the division in the aforementioned year.

- Management Meeting.
- The company Secretary/ Legal Adviser attended meetings with Heads of Departments and Management Decisions were carried out.
- Committee Meetings

The division also attended various committee meetings in respect of the following.

- I. Gas supply to TPP/TBS
- II. Settlement of disputes between Unions
- III. Advancement of Steel Plant
- IV. Petition against ASCL
- V. Security operation in the Steel Territory
- VI. ASCL rented properties
- VII. Undue elongation of loan repayment tenure by FCMB
- VIII. Propose compilation of ASCL'S uncompleted residential Quarters
- IX. Staffs Matters/Cases

#### **LEGAL ADVICE**

- I. The Division proffered legal advice on general staff matters, assisted and guided Management on decisions making within the purview of laws.
- II. The Division carried out several jobs and handled correspondence on behalf of Sole Administrator and the Company in general.

#### **DRAFT/VETTING OF LEGAL DOCUMENTS**

The Division drafted numerous agreements and vetted legal documents on behalf of the Company.

#### **LITIGATIONS**

##### **CRIMINAL MATTERS**

- I. COP Vs Ali Yahaya
- II. COP Vs Usman Ismaila and ORS
- III. COP Vs Mustapha Muhammed and 3 ORS

##### **CIVIL MATTERS**

- I. Ibrahim Haruna Vs ASCL and 2 ORS
- II. Yusuf Olatope Vs ASCL
- III. Kogi State Internal Revenue Service Vs ASCL
- IV. Nelson Itheme Vs ASCL
- V. Aliyu Umar Vs ASCL
- VI. Joseph Ali Okpanachi Vs ASCL
- VII. Ojeabulu Christopher Vs ASCL
- VIII. Salihu Dele Vs ASCL
- IX. ASCL Vs Minister of FCT and 2 ORS.

##### **JUDGEMENT DELIVERED**

- I. COP Vs Ali Yahaya.
- II. Ibrahim Haruna Vs ASCL and 2 ORS.

The two aforementioned judgments were given in favour of ASCL, while all the other cases are on hearing stage.

### **ACCOMMODATION UNIT OF LEGAL DIVISION**

- I. 867 accommodation forms were issued out to the staffs, while 1018 were issued out to non ASCL staffs.
- II. 498 flats and rooms were recovered across the estates and allocated to serving staffs and some non-serving staffs.
- III. 79 transit accommodation were made available for the newly engaged staffs
- IV. 5 damaged houses were reverted to ASCL by the Department of State Security (DSS)
- V. 19 flats were recovered out of 23 flats leased to multy service
- VI. 2 flats were lost to fire outbreak at Kaduna Estate.

### **PROBLEMS/ CONSTRAINTS**

The problems and constraints of the Division are numerous; the most outstanding ones are lack of utility vehicle, non-availability of practicing books, laptops, non-attendance of seminars/conferences, non-payment of professional fees to the external solicitors, and loss of identification numbers of some houses across the Estates.

## **6.3 SECURITY**

### **ARREST PERSON ENGAGED IN THE VANDALISATION AND THEFT OF CRITICAL NATIONAL ASSETS**

On 15/2/19, 28/04/19 and 17/7/2019 an intelligence led investigation, ASCL security Division arrest some suspect in the course of interrogation made confession to several vandalization. They also revealed that the buyer of their stolen properties from ASCL is based in Idah, kogi state. All the arrested suspects were handed over to the Area commander, Ajaokuta for investigation. The company later petitioned the inspector General of Police (IGP) for the takeover of further investigation into the case. ASCL security Division is closely following up the investigation being conducted by Nigeria Police force into the case.

### **REPORT OF VANDALIZATION, TRESPASS, HOUSE BREAKING AND THEFT**

On 5/5/19, 12/5/19 ASCL security operative on joint night vehicular patrol within the Steel township intercepted and arrested one Isah Abdulmanman residing at No 22 Ahogede Street, Okene. On interrogation the suspect confessed to have on the same date prior to his arrest in company of one Abdulrasheed Illiyas now at large broke into a residential apartment at Flat 4, road E10 Abuja Estate Ajaokuta and stole some items. The arrested



suspect Isah Abdulmanman recovered phones and house breaking tools were handed over to the police for investigation and was later arraign in court and has been convicted to federal prison

## PRESENTATION OF AWARD

The Sole Administrator, Engr. Sumaila Akaba presented commendation Award of outstanding performance to the security officers on complimentary security services to the company. The beneficiaries are Ten Naval Personnel, seven NSCD officers and three ASCL Security Staff/ Special Guard

### 6.3.1 OPERATIONS DEPARTMENT

Operations Department is made up of three (3) Divisions and a Unit:

1. Primary and Auxiliary Plant (P&AP) which consists of the following seven sections.
  - a. Quality Assurance and Research (QA&R)
  - b. Coke Oven and Bye Products Plants (CO&BPP)
  - c. Blast Furnace (BF)
  - d. Sinter Plant and Raw Material Handling Plants (SP&RMHP)
  - e. Steel Making Shop (SMS)
  - f. Lime Plant (LP)
  - g. Alumino Silicate Refractory Plant and Tar-Bonded Dolomite/Gunning Mass Shop (ASRP & TBD/GM)
2. Rolling Mills (RM) which consists of the following 5 Sections
  - a. Light Section Mill (LSM)
  - b. Medium Section and Structural Mill (MSSM)
  - c. Billet Mill (BM)
  - d. Wire Rod Mill (WRM)
  - e. Roll Pass Design/Roll Turning Shop (RPD/RTS)
3. Production Planning and Control (PP&C) and
4. Operations Central Planning Unit

Below is the summary of activities that were undertaken by all Divisions in the Department in the year 2019.

### MAJOR ACHIEVEMENTS:

## 1.1 DEWATERING

Some of the plants equipment are underground and these plants are below sea level. Thus, dewatering is regularly carried out in locations like Bed Drainage Pump houses, cable and pipe tunnels, oil cellars, basements and scale pits, etc. to prevent this equipment from being submerged.

## 1.2 IDLE-RUNNING AND MOBILE PRESERVATION OF EQUIPMENT

QA&R, CO&BPP embarked on idle running and mobile conservation of some equipment e.g. Lathe Machine, Drilling Machine, Tensile Testing Machine, Grinding machine etc.

Other Primary Shops also carried out on regular basis idle-running and mobile preservation of Conveyor Belt, cranes etc to prevent them from stiffening.

In the Rolling Mills, charging grates, walking beam reheating furnace, oil/hydraulic cellars, finishing equipment, cranes and electrical rooms installations are amongst equipment regularly idle-run in LSM. The stands could not be idle-run due to loss of communication between the posts (21, 22 & 23) and PLC as a result of software glitch of which back up is not available. WRM on the other hand idle-run charging grates approach roller tables, walking beam reheating furnace, some stands, oil/hydraulic cellars, finishing equipment, cranes and electrical rooms installations. Lubricants are highly in short supply in this mill. Majority of machines installed in RPD/RTS are functional and regularly put to use or idle-run. Diatose and Wencut machines are not functional mainly due to issues with availability of spares. Equipment in MSSM and BM could not be idle-run due to power problem occasioned by burnt or vandalized cables.

## 1.3 EQUIPMENT INSPECTION, MAINTENANCE AND PRESERVATION.

All shops carried out regular inspection as well as scheduled preventive maintenance of equipment.

## 1.4 WATER, OIL, RAW MATERIAL ANALYSIS

QA&R carried out analysis of Water, Oil and Raw Material brought by various shops in the company to ascertain their quality. However, comprehensive analysis could not be done due to lack of analytical chemicals and faulty equipment.

## 1.5 HOUSEKEEPING

All shops carried out general cleaning of their shops and equipment therein.

## 1.6 PROTECTION OF EQUIPMENT

Most shops reinforced and weld-sealed all doors, windows and other openings to Electrical rooms and Transformer substations to prevent vandals from gaining entrance or access to them.

## 1.7 FABRICATIONS AND REPAIRS

Equipment in use or idle-run do breakdown which calls for repairs and fabrications. Doors and access to tunnels sometimes need to be reinforced through welding and fabrications for equipment security.

Most shops carried out repair of faulty surface pumps and submersible pumps. Where an Electric motor is submerged, it will be removed, dismantled, washed, dried, reliability tests performed and recoupled for operations.

## 1.8 TRAINING

Most shops carried out refresher course and in-house training of staff so as to transfer technology to the new staff.

## 1.9 Machining: RPD/RTS do carry out machining of parts both for the division and plant-wide needs.

## 1.10 Repair of Transformers T224 and T230 in LSM. General maintenance of all transformers in the mill were done to eliminate leakage of transformer oils, and to maintain its performance. The list of the all the transformer maintained are as follows T2 to 13, T17 to 19, T22 to T25, T101, T103, T104, TR1,2,3,4. T227 T228 T229, T153, T154, T155, T156, T51, T52, T 53, T55, T56, T57, T58,

## 1.11 ILLUMINATION

Illuminations were carried out on shop floors, tunnels, electrical rooms with limited available materials.

## 1.12 SECURITY

Deployment of some staff on three shifts and four Brigades to provide round clock watch over the equipment so as to ensure equipment safety and security.

## 1.13 Production Planning and Control Division plans for production, control and monitors same in order to achieve the optimum goal of utilization of available resources at lowest possible cost and customer satisfaction in terms of good quality, quantity and delivery of products on schedule.

- 1.14 Operations Central Planning Unit provided daily operational plans for all shops in Operations Department and ensured effective and efficient data, material and human resources management in the Department.

### CHALLENGES

- i. Insufficient number of Water pumps
- ii. Lack of spare parts and consumables. Many times staff have to contribute money to purchase electrodes and other materials. The batteries for the battery banks of LSM and WRM which provide DC voltage for control and protection are completely bad and need replacement. We had wished to idle-run more equipment across the mills to keep them in state of readiness but constrained by lack of essential spares and consumables.  
 Faulty laboratory equipment due to old age and lack of potent chemicals for analysis.
- iii. Lack of adequate experienced staff; most shops and facilities lack adequate manpower to keep proper vigilance and maintenance in the large expanse of shop floors of Operations Department.
- iv. Non-energizing of many Transformer substations. This has constituted a major setback to the programmed weekly or monthly idle-running of equipment. It has also created risk-free pilfering of Transformer parts.
- v. Some equipment is already submerged completely due to lack of submersible pumps.
- vi. Roof leakage: We experience serious roof leakage across the mills and other Primary shops resulting into water pouring directly on equipment and control posts whenever it rains. A number of control posts have already been completely destroyed by rain water.
- vii. Lack of Transportation for personnel.
- viii. Generally poor illumination in the department due to insufficient supply of bulbs, fluorescents and other illumination requirements.
- ix. Power Supply: Most shops lack adequate power supply for the operation of their major process equipment.

## 6.4 UTILITIES DEPARTMENT

Utilities Department comprises of two main Divisions namely: Power; Water & Gas Services, as well as two other Sections: Township Water Supply and Power Transmission & Distribution Maintenance that report directly to the Head (Utilities).

### 6.4.1 POWER DIVISION

1. Supervised the Reactivation/maintenance of 63MVA Transformers (3 Nos)
2. Reactivation, maintenance and installation of Cooling Tower Electric fan and Motors (3 Nos)
3. Commenced reactivation of Boiler No.3
4. Reactivation and modification of an additional automated air compressor at Transmission Substation (TSS)
5. General preventive and correctional maintenance of the power plant, power system network and facilities.
6. Installation and connection of TSS battery banks (250pcs) supplied in the year 2018.
7. Commencement of work on the reconstruction of the regenerative zone of the Chemical Water Treatment Plant (CWTP)

## WATER & GAS SERVICES

### THERMAL FACILITIES SECTION

#### ACHIEVEMENTS

- (i) Production and supply of Compressed Air to ASCL consumer shops – TPP/TBS, CWTP and Forge / Fabrication shop.
- (ii) Compressed Air Production figure: 1,002,600m<sup>3</sup>
- (iii) Inspection, servicing and repair of numerous Air Conditioners (window, split and package Units) all over ASCL plant
- (iv) Implementation of the Total Productive Maintenance (TPM) – housekeeping.
- (v) De- flooding of drainage pit of Compressor House No. 2
- (vi) Execution of all scheduled preventive maintenance.
- (vii) Sourced for Babbitt material from China.

#### CONSTRAINTS

- A. The section is presently having only ONE functional Centrifugal Compressor.
- B. Urgent need for functional Centrifugal Compressor at Compressor House No. 1.
- C. The thyristor exciter unit condition in Thermal Facilities has deteriorated due to old age and frequent usage over the years.
- D. Mechanical Maintenance expert is required urgently for the Russian Compressor.
- E. Compressor 1M at Compressor House No. 2 is having bearing and alignment problem – The Compressor cannot be operated now.
- F. Spare parts required urgently for the repair of Russian compressors.
- G. No water supply to Centrifugal Compressor 4M at Compressor House No.1 from pump House Number 3.

H. Utilities pick-up vehicle is grounded due to lack of tyres and fuel.

## **WATER FACILITIES SECTION**

### **ELECTRICAL MAINTENANCE: -**

- i. Replacement of supply cable to First Lift Pump House of Permanent Water Intake when the cable was ruptured.
- ii. Servicing and mounting of faulty electric motors (7 No.) in the Section
- iii. Serviced Gate valves to Process Pumps electric motors in Pump House.
- iv. Second Lift Pump House and First Lift Pump House of Permanent Water Intake.
- v. Also, illumination work was attended to in all the shop for of the section

### **MECHANICAL MAINTENANCE: -**

- i. Maintenance of mechanical equipment to supply steady water supply to our customers.
- ii. Servicing of the outlet Gate valve of Process Pump No. 2 at Second Lift Pump House No. 2 was done
- iii. Replacement of broken actuator of the outlet Gate valve of Process Pump No. 2 at Second Lift Pump House No. 2 was done.
- iv. Construction of strainer to the foot valve of Drainage Pump 1202 was carried out in Pump House No. 1
- v. Construction of Mobile Drainage Pump was done to drain water from flooded pit of Pump House No.1

## **OPERATION UNIT**

Supply of water to the entire Steel Plant, Main Administrative Welfare Building (MAWB) and Chemical Water Treatment Plant (CWTP)

## **CONSTRAINTS**

- i. Lack of manpower
- ii. Lack of spare parts
- iii. Lack of lubricant, illumination materials and consumables
- iv. Lack of tools and inadequate provision of transportation.

## GAS FACILITIES SECTION

### ACHIEVEMENTS:

- i. Supply of natural Gas to consumers on request
- ii. Preventive maintenance of equipment at Central Gas Control Post (CGCP) and other substations.
- iii. General inspection of Natural Gas Pipeline network and equipment
- iv. Induction training of newly deployed staff

### CHALLENGES

- i. Lack of safety wears for the staff.
- ii. Lack of transportation- the Section needs Pick-up Van for the transportation of both equipment and staff inspection and maintenance work over the Steel Plant.
- iii. Shortage of staff especially Mechanical Filters and Electrical Personnel.
- iv. Serious corrosion of the Pipeline and equipment hence the Pipeline needs panting.
- v. The Pipeline requires “Integrity Test”

### **TOWNSHIP WATER SUPPLY (TWS)**

1. Recovery of 45kw, 54m<sup>3</sup>/h submersible borehole pump from FFN Borehole that was affected by 2017 flood disaster.
2. Re-installation of 45kw, 110m<sup>3</sup>/h submersible borehole pump was affected by the 2017 flood and so has not been in use until the new one was re-installed this period.
3. Installation of 38kw, 200m<sup>3</sup>/h submersible pump at GWTP raw water intake which has significantly improved the supply of raw water to the GWTP. The plant no longer depends entirely on supply from site as it has been for the past 3 – 4 years.
4. Installation of 37kw, 67m<sup>3</sup>/h and reactivation of rusted water tank at JDP booster station which have tremendously improved the potable water supply to some Estates.
5. Installation of 1.5kw and 15kw vertical pump at FFN Life Camp II water treatment plant.
6. Linking of raw water pipeline from Emi-Agbati borehole to SAE potable water pipeline at Ecomog which has now made supply of potable water to Dumez, FFN Life Camp II and its environs possible after over a year shutdown.
7. Linking of potable water from 300mm diameter rising main line to FFN Life Camp I and environs after over 1½ years of shutdown of the FFN borehole due to flood disaster.
8. Repair of burst on 300mm diameter rising main pipeline in a water log area along Geregu Village Road.



9. Re-installation of 132kw, 200m<sup>3</sup>/h high lift pump at GWTP pump house.
10. An average of 95,077.62m<sup>3</sup> of potable water was produced within the period under review.

### **POWER TRANSMISSION & DISTRIBUTION MAINTENANCE (PT&DM)**

1. Electrification/installation of 2 Nos. 500kvA transformers to Raccaform Estate which have been without power supply for over a decade.
2. Extension of power supply to Emi-Adiko/ Agbati and Wimpey Communities.

## **6.5 ENGINEERING WORKS & SERVICES DEPARTMENT.**

### **PLANT MAINTENANCE**

#### **A. MECHANICAL MAINTENANCE**

- Total overhauling and servicing of Telp[her Crane (3.2T) at Water Intake
- Construction and erection of Steel pipes as support to raise electrical cables laid from Sludge Pump House No. 4 to Isotope Lab. building
- Construction and installation of burglar proof for a door at Oil and Reclamation Shop
- Repair of EOT Crane (20/5T) at 2<sup>nd</sup> lift Pump House (Water Intake)
- Repair of Gen. Set (27KVA) at scale pit No II
- Servicing of Gen. Set (27KVA) at scale pit No 1
- Servicing of EOT Crane (3.2T) at Forge and Fabrication shop.
- General servicing of EOT Crane at Oxygen Plant.
- Repair of Telpher Crane (1T) at Oil Reclamation shop (ORS)
- Elimination of water drainage pipe line at TSS BUILDING.
- General servicing of EOT Crane (32/5T) at Foundry shop.
- Repair of Stacker crane no 5 at Equipment Storage no 15
- Repair /servicing of Gen. set (40KVA) Perkins) at Coke Oven
- Repair/servicing of Grab crane (5T) at Foundry shop

#### **ELECTRICAL MAINTENANCE**

- Trouble shooting of distribution board of Plant Maintenance Welfare Building 19.15
- Servicing of Telpher crane plunger at 2<sup>nd</sup> Lift pump at Water Intake (Chlorination room)
- Clipping of supply cable to its position at Oil Reclamation shop.
- Repair of plunger main Hoist at water intake administrative building (3.2T)
- Cleaning of the Trolley line and Slippers at Foundry shop.
- Servicing of Relay contact at water intake 2<sup>nd</sup> Lift pump.

- Servicing of Crane no 1050 at Forge and Fabrication shop.
- Restoration of power to DB3 at Plant Maintenance Welfare building.
- Repair of faulty Transformer lathe machine at QA&R.
- Repair of faulty Crab electric motor at Oil Reclamation shop.
- Restoration of power to the Magistrate Court.
- Restoration of power to Security gate and Store 14.
- Repair of faulty EOT Crane (10T) at Foundry shop.
- Restoration of power to the 2TS6 at Coke Oven.
- Restoration of power to the Breakers supplying the 1AB panel at 8TS2
- Restoration of power to Plant Maintenance welfare building.

### **CIVIL MAINTENANCE**

- Repair and relining of broken perimeter wall between gate 1&2 of Plant site.
- Rebuilding of refractory brick wall of the Boiler at TPP/TBS.
- Repair and relining of broken perimeter wall between gates along Itobe-Ajaokuta road of Plant site
- Total overhauling of Cupola Furnace at Foundry shop.
- Repair of access door to miniature Furnace at Forge and Fabrication shop.
- Replacement of blown off cladding at store 8
- Repair and relining of broken perimeter wall between gates along Weigh bridge and Admin.
- Maintenance of roof slabs and repair of down comer at TSS.
- Capital repair of electric Arc furnace at Foundry shop

### **INSTRUMENTATION & TELECOMMUNICATION**

- Coverage of visit of Nigerian Defense College. Orientation programme organized by ALLCO pension, sensitization program by Industrial Training Fund.
- Maintenance and service of scale pit instruments for the Mills.
- 1No Actuator at the Laboratory was serviced and tested.
- Routine inspection on instrumentation and telecoms facilities in LSM and WRM were carried out.
- Re-adjustment of CCTV Camera covering the main gate of MAWB.
- Re-aligning and programming of DSTV systems controlling MAWB.
- Reconfiguration of DSTV at MAWB and that of DGM (PA&I)

- Routine clearing and servicing of two Actuators for temperature control of zone 1 and 2 of LSM furnace zone
- Charging of Battery for weighing indicators at LSM finishing zone.
- 14nos faulty ATE lines were restored. (6118, 6278, 6111, 6183, 6202, 6301, 6108, 3454, 3452, 3475, 6297, 6183 and 6295.
- Trouble shooting of Masibus indicator from Central Gas Post.
- Tracing of temperature point of the output supply from Central Gas Post for the purpose of identifying their position using PID diagram.
- Trouble shooting of faulty temperature line on the medium section line.
- Routine clearing and servicing of instrumentation and telecoms equipment at LSM and WRM.

### **CORROSION MONITORING & PREVENTION SECTION**

**Visual inspection carried out at MSSM** (Visual inspection on surface and underground facilities of the Mill) which included the following areas.

- Oil Cellar 1&2: facilities inspected are: (Oil tank 1-10 for Omala 220 and Turbo 46 oil, oil pressure testing machine, oil filters)
- Hydraulic Cellar: facilities inspected are: hydraulic tanks and pipes, nitrogen bottle cylinders, nitrogen compressor systems, accumulators)
- Ventilation systems: facilities inspected are: Ventilation systems nos 3,4,5,6,10,12,15,18,19,20
- Batch meter room 1&2: Foaming agents tank, pipe network.
- Control posts:3EP, 36EP, 45EP and 46 EP, control panels, roof and its pipe network.
- Electric control rooms: Electrical panels, cable gallery.
- Furnace 1&2: Furnace roof hangers, pipes, cooling water network and platform.

#### **Visual inspection carried out at Sinter Plant.**

- Junction tower (dispatching unit)
- Lime dust Silos
- Leaner cooler area
- Central air cleaning systems
- Screen house
- Sinter storage yard
- Burden Bin Gallery
- Coke Battery
- Reducer at Coke Breeze Stock bin
- Raw Material Handling Plant

## COKE OVEN AND BY-PRODUCTS PLANT

### Facilities inspected included:

- Coke Oven batteries (1&2)
- Sprinklers and Quenching machines
- Coke Sorting Plant
- Mechanical repair shop of Coke Oven
- Coal blending unit, Coal bunkers, Junction towers and Coal silos
- Primary Gas coolers, Decanters, Water treatment plant, Cooling towers, Ammonium Silicate plant.

## BLAST FURNACE

- Facilities inspected include:
- Stove section (metal columns, combustion chambers, Exhaust pipes, Gas cleaning plant, Valve house checker chamber
- Charge batteries
- Electric precipitation plant
- Ladle repair shop
- Clay preparation shop
- Pig casting machine pump house.

## TRANSPORT & LOGISTICS

### MAJOR ACHIEVEMENTS

- Reactivation of two (2) city train heads in progress
- Supply of sixteen (16) tyres for mass transit Coaster buses.
- Routine and breakdown maintenance.
- Received the delivery of operational vehicles; three (3) Toyota Hilux and one (1) Hiace 18 seater Bus.
- Material and equipment haulage within the Steel Plant and housing Estates.
- Relocation & erection of electrical poles for regular and shift staff.
- Bus services for staff welfare as approved by Management.
- Dispensing of fuel to utility vehicles and standby generators.
- Teaching of Auto-mech/organizing entrepreneurial skills (Auto-mech) practical for students in ASCL Staff Comprehensive Secondary Schools I, II and III.
- Routine checks on grounded vehicles; equipment, Rails and Locomotives in Transport Logistics yards.

## MAJOR CHALLENGES

- Lack of power supply in Transport yard/Workshops for upward of 18 months
- Insufficient Tools & Equipment.
- Shortage of Manpower i.e Drivers and Mechanics.
- Flooding of Workshops, Equipment and Floors due to expired/damaged roofs during raining seasons.
- Insufficient Safety wears.

## ENGINEERING WORKS

### FOUNDRY SHOP

- Re-lining of 6tons Electric Arc Furnace.
- Digitalization of Electric Arc Furnace (80%)
- Re-lining of the Cupola Furnace
- Rewinding, rehabilitation and servicing of the Electromagnetic Crane (80%)
- Routine dewatering of the underground.

### PATTERN MAKING SHOP

- Construction of wooden format for platform of Transformer sitting at Racafoam Estate
- Construction of wooden format for sitting in the various Borehole sites at the ASCL Township.
- Blocking of AC holes in the Archive office.
- Costing of Biumenr Mixer Pattern.
- Fixing of keys and handles. Production of 63 nos office chairs and 23 nos office tables.
- Repair and fitting of A3 seater chair for the Finance Department.
- Blocking of /C holes in ASFFERO office
- Replacement of missing keys on JPCC door.
- Repair and fitting of A3 seater chair for the Commerce Department.
- Repair of 2nos Benches for use for Security Officers at Pattern shop.
- Partitioning of the office of the new CNC milling Machine at M&TS
- Ripping and cross-cutting of firewood for the Foundry shop.

### EXTERNAL JOBS

- Cost estimate for the Chain Sprocket pattern.
- Construction of Chain Sprocket pattern.

**INTERNAL JOB**

Inspected the blown off roof of the Pump House at Geregu Water treatment plant.  
 Construction of Gas kitchen table for ASCL Navy officer.

**FORGE & FABRICATION SHOP**
**EXTERNAL JOB**

Production of Blank  $\varnothing$  70x385 Pinom Shaft (3pcs)

Spline Shaft  $\varnothing$ 55x405 (1pc)

Coupling Blank  $\varnothing$ 175x80 (1pc)

Hanger component  $\varnothing$ 105x 52 (3pcs)

**Hanger Accessories (for ASKA CEMENT)**

16x70x140 (3pcs)

16x47x115 (3pcs)

10x47x38 (12pcs)

$\varnothing$ 45x60 and  $\varnothing$ 105x62 (1pc and 3pcs)

**Bending/Drilling of Mild Ster Plate (for JAMSAL)**

2000x2200x20 (2pcs)

1600x140x20 (8pcs)

**Tonado**

$\varnothing$ 232x35.6 (1pc)

Blank 235x35.6 (2pcs)

$\varnothing$ 136.1x51.5 (2pcs)

**Ring** 480/420x20 (for CLEACO) (1PC)

**INTERNAL JOB**

Pipe  $\varnothing$ 80x1600

Large m/Steel

Metal door (6+2)

Fabrication of Electric pump cover (1no)

A/C Hanger

Gas cutting plate ( $\varnothing$ 20x450x340 for base plate)

**Gas cutting of plate**

360x280x16 (16pcs)

320x270x16 (16pcs)

100x2300x5800 (8pcs)

### **Fabrication of Elbow pipe**

#### **Flanger ø290x20mm**

ø385x20m

Cutting of plate for SHIM	(10pcs)
Cutting of plate for SHIM	(30pcs)
Gas cutting of Spring plate (16x120x950mm)	(2pcs)
Gas cutting of ø250x40mm plate cover for Mould top cover	(2pcs)

#### **U Channel**

50x100x4, 830mm	(4pcs)
50x100x3 x360mm	(4pcs)
Mild Steel Plate (12x220x220mm)	(4pcs)

### **POWER EQUIPMENT & REPAIR SHOP (PERS)**

1. Repair of 45KW submersible pump (GWS/STA/0001/19)
2. Repair of 50mm 4 Core Cable of 45kw submersible pump (GWS/STA/0002/19)
3. Repair of 200kw E/motor from TPP/TBS (TPP/TBS/0042/06)
4. Repair of 1.3kw E/motor from Oxygen Plant (OXF/0003/19)
5. Repair of 7kw E/motor from MSSM (MSSM/0001/19)
6. Repair of 0.25kw Transformer cooling fans' electric motor from TPP/TBS (65nos)
7. Repair of 200kw E/M from TPP/TBS (2NOS) (TPP/TBS/0058/19 and TPP/TBS/0059/19)
8. Repair Crane Coil from Foundry shop (FS/0003/19)
9. Repair of 5.2 kw submersible pump from PERS (PERS/0001/19)
10. Repair of A/C fan motor from M&TS (M&TS/0002/19)
11. Reactivation /overhauling of Hydraulic Extractor from PERS (PERS/0001/18)
12. Repair of 5.5kw submersible pump from Billet Mill (BM/0001/19)
13. Repair of 4kw E/M from Steel Making Shop (SMS/0001/19)
14. Repair of 132kw E/M from STA (STA/GWS/003/19)
15. Repair of 5.5kw E/M from MSSM (MSSM/0002/19)
16. Repair of 4kw E/M from MSSM (MSSM/0004/19)
17. Repair of 400kw E/M (Hard core) from Water Facilities (WF/0001/2011)
18. Repair of 500kw E/M from Water Facilities (WF/10001/19)
19. Repair of Step -down Transformer from TPP/TBS (TPP/TBS/0001/19)
20. Repair of 200kw E/M from TPP/TBS (TPP/TBS/0002-4/19)
21. Maintenance/security checks on PERS equipments and facilities.
22. Dewatering of PERS undergrounds.



## **6.6 STEEL TOWNSHIP ADMINISTRATIONS**

### ACHIEVEMENT

The major achievement and milestone as documented by the Divisions/Unit of STA are as follows:

#### **6.6.1 PROPERTY DEVELOPMENT DIVISION**

- Design and supervision of PM Multipurpose Laboratory at ASC Staff Comprehensive Secondary School III - Lintel level achieved.
- Supervision of blocks of 3Nos. Classrooms at ASCL Staff Comprehensive Secondary School III - Tiling work achieved.
- Routine Inspection / Monitoring of private development within the Steel Township is on-going.
- All requests for Bills of Quantities in respect of application for rent holidays was completed.

#### **6.6.2 PROPERTY MAINTENANCE DIVISION**

- Routine maintenance of Flat 401 and Flat 330, FFN Life Camp II was duly carried out and still on-going.
- All requests for inspection and assessment for maintenance purposes at the housing estates was carried out.
- All electrical and mechanical faults reported at the Old Administrative Building, Geregu Camp and at the housing estates was cleared.

#### **6.6.3 SANITATION AND SEWAGE DIVISION**

- Recovery of New German Cold Room from overgrown trees was carried out.
- Supervision of bush clearing at critical area within the Steel Township, MAWB and Old Admin. Building, Geregu Camp was completed and still on going.
- Felling of dangerous trees close to residential buildings was achieved.
- Routine Inspection of activities at the abattoirs to prevent distribution and consumption of unhealthy meat within the Community was achieved and still on-going.

#### 6.6.4 ROAD MAINTENANCE DIVISION

- Inspection and assessment of speed bump at ASCL Medical Centre was carried out.
- Removal of burnt truck at dangerous location along ASCL Medical Centre was executed.
- Restoration work for the eroded portion of Niger Bridge Road is at 85% completion.

#### 6.7 ASCL MEDICAL CENTRE

##### Medical is made of

1. Medical Admin, 2. Clinical, 3. Nursing, 4. Pharmacy, 5. Medical lab, 6. Medical record. 7. X - ray, 8. Medical finance, Sub unit - Eye clinic and Physiotherapy

##### ACHIEVEMENTS

1. Quality Health Service Delivery which is made possible by the quality of Medical Staff, including Consultants, Doctors, Nurses, Pharmacist, Medical lab scientists, medical record officers, physiotherapist ETC.
2. Increase enrollees, eg. Non- ASCL patient and referrals from surrounding clinic due to some specialist engaged.
3. Prompt payment of capitations and fee-for services from the facility HMO's.
4. Improved drug supply in the pharmacy due to intervention of the Hospital management committee. This has reduced the incidence of O/S.
5. Improved services occasioned by the introduction of 24/7 operational cycle. This implies that doctors and other health providers are always available to attend to emergencies.
6. Downward review of all statutory expenses thereby given priority attention to salary, drugs, lab reagents and other important needs of hospital.
7. Review of the hospital billing system in compliance to NHIS norms to approval.
8. Identification of cash centre with the view of monitoring cash flow on weekly basis.
9. Introduction of call duty and meal subsidy incentives to deserving staff.

## 6.8 METALLURGICAL TRAINING CENTRE

The Metallurgical Training Centre (MTC) was designed for training of skilled craftsmen, operatives, technicians, technologists and engineers. The aim of this training is to meet the challenges of the complexities associated with the operation of the Steel Plant.

Although the Centre was established to provide skilled manpower for the operation, maintenance and running of the Steel Plant, its capabilities have made it possible for the Management to extend its training programmes beyond the Steel Plant to external candidates purposely to generate revenue for the Company. The facilities of the Centre when fully commissioned will be able to make it possible to operate at maximum capacity and also manufacture useful components and industrial spare parts in the course of trainees' practical exposure.

### MAJOR ACHIEVEMENTS

1. Conclusion of training of twenty-eight (28) staff of NIOMCO in specified training programmes which include: Mechanical Maintenance and fitting, Electrical Maintenance, Welding & Fabrication, Control Desk Operation (CDO), and Automobile Mechanics, which was for duration of nine months and finally rounded up in March, 2019.
2. All the NIOMCO Trainees were treated to a befitting Graduation Ceremony held at the Main Auditorium of the Training Centre on 19<sup>th</sup> June, 2019.
3. Conclusion of Training of two hundred and three (203) ASCL staff on regular programmes in Mechanical Maintenance, Rolling Technology, Welding & Fabrication, Lubrication and Hydraulics, Automobile Mechanics, Crane Operation Maintenance and Control Desk Operation (CDO). The training which was for duration of six months was finally rounded up April, 2019.
4. Reminder on the training proposal submitted to Igalamela / Odolu Local Government of Kogi State for the use of Metallurgical Training Centre (MTC) for training of Craftsmen and Middle Level Technicians.
5. General maintenance, repairs and inspection were carried out on training equipments and installations, electrical facilities such as transformer, chillers, power lines, armored cables etc.

6. General reactivation of the electrical installations, lighting points, socket outlets, fans and regulators were carried out at the MTC temporary hostel which accommodated the NIOMCO trainees.
7. Operation of the Centre's Water Treatment Plant to produce and supply portable water for the Centre and staff of ASCL.
8. Work with the Project Team: The Centre participated in work done by the Project Team basically on LOTS. Which was mandated to carry out work on:
  - i. Electrification / electrical repairs works on the centre
  - ii. Supply of two new vehicles: Helux and 18 seater bus
  - iii. Clearing of bushes
  - iv. Renovation work on buildings in the centre
9. Allocation of two new vehicles to the centre: Helux and 18 seater bus
10. Library services were provided to MTC/ASCL staff and NIOMCO trainees during the period under consideration.
11. Routine Administration functions were carried out during this period. These include:
  - General Administrative duties
  - Monitoring of MTC activities and day to day running of the centre
  - Cleaning of Offices, Classrooms, Workshops and Library as well as clearing of some designated areas in the centre.
  - Clearing of grasses / bushes in the centre

### **CHALLENGES**

1. Shortage of manpower has been a big challenge as most of MTC Staff are retiring. However, with the recent redeployment of some staff to MTC, the challenge is gradually being addressed by management.
2. There is no power supply to the Library and Technician School.
3. MTC Library requires up to date books and should be provided with e-learning facilities.
4. Lack of Internet facility and Intercoms to facilitate learning activities at the centre

5. The computers at the Centre's Computer Library for the computer training programme are now moribund and unserviceable and needed to be replaced for effective computer training programme.
6. Non-availability of utility project vehicle and staff/trainees coaster for the centre.
7. There has been no impress vote to enable the Center adequately meets its training objectives and lack of essential office equipments.

## 6.9 FINANCE DEPARTMENT

### 1. Budget Unit

- i. Monitor and evaluate the 2019 budget. The budget achieved the following implementation status;
  - ❖ **Personnel**- The personnel budget achieved 100% implementation.
  - ❖ **Overhead**- The overhead budget achieved 79.5% implementation.
  - ❖ **Capital**- The capital budget had 59% release.
- ii. Attended to letters of request on budget from our parent ministry and other agencies.
- iii. The 2020 budget proposal was defended (at the Ministry, Budget Office of the Federation, and the National Assembly level) and approval secured.

However, poor and untimely release of fund appropriated for capital projects has been the major challenge of achieving a more impactful budget performance in the company. We are hoping for improvement in the release of fund for capital budget towards achieving the company's goals and objectives.

### 2. Final Account Unit

- i. As at 31<sup>st</sup> December 2019, the books of account for the year 2018 have been fully posted while staff with outstanding advances is being circularized to settle their account before the end of March 2020 to enable us conclude the account for the year 2019.
- ii. The audit of the financial accounts for the year 2017 and 2018 was carried out by our External Auditors, Messrs J. Femi Adebisi & Co.

- iii. During the year, the IPSAS Accrual Basis Trail Balance Report for the year ended 31<sup>st</sup> December 2019 has been prepared awaiting submission to the Consolidated Account Department (CAD) of the Office of the Accountant General of the Federation, Abuja.
- iv. All receipts and payments for 2019 were booked and reconciled with bank statement as at 31<sup>st</sup> December, 2019.

### 3. Salaries and Wages Unit

- i. Staff salaries and allowances under IPPIS for 2019 were fully paid within the year through the Office of the Accountant General of the Federation. A total sum of ~~₦~~3,440,409,198.74 was paid. This amount is excluding the consequential adjustment of minimum wage implementation paid to GL 7 and above.

Contract staff salaries and other allowances not paid via IPPIS were paid directly in part based on the fund available. Every accumulated outstanding have been computed.

- ii. Conducted verification exercise for payment of outstanding hazard, medical, overtime and shift allowances.
- iii. NHF passbook for retired and serving staff were updated.
- iv. Disengagement/kilometer allowance for retired staff were computed
- v. Staff not paying for utilities and rent were identified and subsequently commenced the deduction.

### 4. Store Accounting Unit

During the year, the Stores Accounting Unit undertook general stock taking exercise for the year 2018 in all the 34 Stores of ASCL. The stock value as at 31<sup>st</sup> December 2018 stood at: -

- ❖ Items (Current Assets) - ~~₦~~148,169,032.35
- ❖ Raw materials - ~~₦~~234,402,015.14

The external auditor made good recommendation on our annual stock taking exercise and directed NIOMCO Itakpe to use ASCL model in their annual stock taking. The officers from NIOMCO were around in August, 2019 for lecturing.

The Store Accounting operations urgently need to be computerized for safety of record and efficient operations.

### 5. Asset Accounting Unit

Asset ledger was updated while computation of depreciation is at advanced stage. The value of Fixed Asset as at 31<sup>st</sup> December 2019 is ~~₦~~81,591,034,691.

The fixed asset of the Company needs revaluation to reflect current economic reality.

## 6. Pension Insurance Division

- i. Verification exercise was carried out on the retirees of the old pension scheme. 2931 retired staff were verified and forwarded to audit for vetting and thereafter sent to PTAD office in Abuja
- ii. Data capturing under the new pension scheme done by PENCOM, for staff that will retire in 2020 was supervised.
- iii. The four (4) accident cases reported under the Nigeria social Insurance Trust Fund (NSITF) were processed and forwarded to NSITF for onward processing and claim settlement.
- iv. Under the Group Life Assurance Policy 12 death cases were recorded. Ten have been fully documented out of which six were already transmitted to the Office of Head of Civil Service of the Federation for processing and payment.
- v. Consequences upon our efforts in ensuring payments of claims to the Next of Kin of our deceased staff, the a total of N71,968,261.25 was paid to 80 beneficiaries by the insurance companies.

## 7. Challenges

The following are some of the challenges being faced by Finance Department.

- i. Settlement of outstanding liabilities.
- ii. Need for computerization of Stores Accounting units.
- iii. Poor and untimely release of fund appropriated for capital projects.
- iv. Follow up of cases to Brokers, Underwriters PENCOM and other relevant agencies to ensure prompt processing and payment of benefits.
- v. Inadequate office equipment like computer, printer etc.
- vi. Training of staff to meet up with current trends as it affects our operations.

### 6.9.1 COMMERCE

The Commercial activities of the Department for the year ended 31<sup>st</sup> December 2019 was significantly slowed down due to the Global Economic Instability resulting in cash Squeeze that cut across the National Economy. The net effect is the ability of the Department to meet up with some project target as depicted in the detailed report on activities of the 5 (Five) Divisions in the year under review.

#### DETAILS OF ACTIVITIES: -

The Department co-ordinates the award of various contracts/Cash purchases for the following.



- Rehabilitation/Repair work at MTC, Power Plant, Utilities and Engineering Works and Services etc.
- Periodic award of contract for supply of Drugs and Consumables At ASCL Medical Centre is maintained.
- Cash Purchases of materials, basic stationaries, AGO and PMS for essential vehicles and other critical areas at the Plant Site is being maintained.
- The Commercial Attaché to Engineering Works and Services reported on the Repair/Fabrication works emanating from ASCL and external clients is on-going.
- The Annual Stock taking for the year 2019 was done and 2020 is on-going.

## 1. PURCHASING AND PROCUREMENT DIVISION: -

### a. CASH ADVANCE:

The Division raised and processed Cash Advance for Various Plant Spare, equipment and sundry consumables amounting to **₦18,524,301.00 (Eighteen Million, Five Hundred and Twenty-Four Thousand, Three Hundred and One Naira) Only.**

### b. LOCAL PURCHASE ORDER (LPO)

Local Purchase Order raised and Issued for Plant spares, equipment and sundry consumable amounts to **₦231,427,866.82 (Two Hundred and Thirty-One Million, Four Hundred and Twenty-Seven Thousand, Eight Hundred and Sixty Six Naira, Eighty Two Kobo) Only.**

The Sum Total of cash Advance raised and Local Purchase Order Issued for the Plant spares, equipment and consumables in the year under review, is **₦247,727,457.82(Two Hundred and Forty-Seven Million, Seven Hundred and Twenty-Seven Thousand Four Hundred and Fifty-Seven Naira, Eight Two Kobo) Only.**

## 2. MATERIAL MANAGEMENT DIVISION: -

The following activities were performed in the Division during the year 2019.

### 2.1 RECEIPT: -

Various items were delivered and received into the warehouses after due process of inspection. The total value of the items amounted to **(₦162,321,518.36) One Hundred and Sixty-Two Million, Three Hundred and Twenty-One Thousand Five Hundred and Eighteen Naira, Thirty-Six kobo only.**

## 2.2 CASH PURCHASE: -

The total value of Cash Purchases procured in the year under review amounted to **(N25,823,346.61) Twenty-Five Million, Eight Hundred and Twenty-Three Thousand, Three Hundred and Forty-Six Naira, Sixty kobo only.**

## 2.3 ISSUES FROM WAREHOUSES: -

Plant Spares and Consumables worth of **(N102,350,293.6) One Hundred and Two Million, Three Hundred and Fifty Thousand, Two Hundred and Ninety-Three Naira, six kobo only**, via 353 SIVs, issued out to various user Departments from the ASCL warehouses.

## 2.4 MAJOR ACHIEVEMENTS: -

- i. The Division participated in the 2019 end of year Annual Stock Taking Exercise.
- ii. The Division was able to service the needs of all Departments effectively our numerous challenges.
- iii. The Division participated actively in the receipt of items for the rehabilitation exercise that took place, in MTC, Power Plant, EW&S etc., during the year under review.

## 2.5 MAJOR CHALLENGES: -

- i. Lack of Computer systems in Materials Planning Unit and Receipt and Inspection. Lack of essential office equipment and no stationaries hampered our optimum performance of the job.
- ii. Implementation of Joint Security Lock system is yet to go round all the warehouses because of financial status of the Company.
- iii. Rehabilitation of Office accommodation secured for Store Officers at Geregu Camp.
- iv. The Materials Management Division still lack stock ledgers in addition to other usual documents of the stores as recommended by the External Auditors.
- v. Under staffing: - This is a very serious challenge, as the experienced hands are retiring from service every year without replacement. Management should consider the employment of new staff and deployment of more staff to Material Management to boost the staff strength.
- vi. Lack of Utility Vehicle for the Division, to aid in taking delivery of items and supervision of ASCL various Stores.
- vii. The Division is highly in need of Photocopying machine.

## 6.9.2 **MARKETING AND SALE DIVISION: -**

The Division could not carry out sales of ASCL rolled products due to none production in Rolling Mills, they concentrate on the job sourcing for ASCL Engineering Works and Services. However, the following key activities were carried out: -

### **A. ENGINEERING WORKS:**

- a. The Division in liaison with Engineering works/service Department coordinated repair/fabrication and delivery of jobs emanating from both ASCL and external clients. The total number of 33 jobs were raised in ASCL Job Reception Co-ordination Centre, Engineering Works and Services Department.
- b. 28 out of 33 confirm job order to the total sum of **₦17,680,314.93 (Seventeen Million, Six Hundred and Eighty Thousand, Three Hundred and Fourteen Naira Ninety-Three kobo)** only were successfully carried out and dispatched. While the outstanding job are nearing completion. The data bank of customers for Engineering Works and Services was also updated.

### **B. MARKET SURVEY: -**

L P F O - Sales drive for the LPFO in ASCL storage tanks was instituted. Interested customers were invited to tender offer for purchase of LPFO but sales yet to be concluded as requisite approvals are still pending.

#### **i. PRICE INTELLIGENCE:**

In line with its mandate, the Division maintained its contact with ASCL client distributors to keep them abreast of consistent effort to resume production. The divisions ensure regular monitoring of both domestic and International Steel market through phone calls and online as shown below.

<b>ii. PROFILE (MM)</b>	<b>LOCAL PRICE RANG TMT Inclusive (₦)</b>	<b>IMPORTED PRICE (₦)</b>
5.5mm coil	- NIL	295,000
8MM	- 190,000 – 212,000	280,000
10MM-	178,000 – 208,000	280,000
12MM-	178,000 – 208,000	270,000
16MM-	178,000 – 208,000	270,000

20MM-	180,000 – 210,000	270,000
25MM-	180,000 – 210,000	270,000
32MM-	NIL	290,000

**C. CHALLENGES OF THE DIVISION: -**

- i. Lack of Utility Vehicle.
- ii. Due to inadequate funding, the Division was unable to embark on a comprehensive market survey.
- iii. Inadequate office equipment i.e. desktop/laptop computers.
- iv. Lack of stationeries for the daily activities as also witnessed during the year.
- v. Management should consider re-imburement of recharged card used in official duties to all Commerce Divisions when financial status of the Company improves.

**6.9.3 RAW MATERIAL AND EXTERNAL INFRASTRUCTURE**

The Raw Material and Infrastructural Division is charged with the responsibility of sourcing and provision of raw materials (e.g. coking coal, Iron ore, Limestone, Dolomite, Bauxite, Refractory Clay etc.) for the technological and commercial operations of the Ajaokuta Steel Plant (ASP). The Division also liaise with Federal Ministry of Works, Transport and Allied Agencies and companies for provision of road and Rail Infrastructure to cater for movement of raw materials from Mines and Ports infrastructure to Ajaokuta Steel Plant Site.

Diagnostic Review of Ajaokuta Steel Plant (ASP) as well as the External Infrastructure requirements were compiled and submitted to the Committee, further directives is being awaited from them.

**CHALLENGES OF THE DIVISION: -**

- a. A proposal is to be brought up for contact with the targeted mines for supply of raw materials for ASP in order to seek and update our data\information on the on-going new development of raw materials (e.g. Iron ore, Limestone, Dolomite, Refractory Clay etc.) for the integrated operation of the ASP.
- b. A proposal is to be brought up for contact with the Federal Ministry of Works and Ministry of Transport to seek and update information\data on the on-going development of access road and railway projects required for movement of raw materials for the integrated operation of the Ajaokuta Steel Plant (ASP).

These transport facilities, at locations outside the Steel Plant, relevant to (ASP) viz; Ajaokuta-Warri, Ajaokuta – Oturpo Line, Port-harcourt – Onne route and Itakpe – Jakura – Baro – Burum access road.

## 6.10 SHIPPING HAULAGE AND INSPECTION

### 6.10.1 OVER VIEW OF THE DIVISION:

Shipping, Haulage and Inspection is a Division of Commerce Department whose primary goal/objective is to ensure that offshore procurements are effectively and efficiently cleared from the various Ports and delivered to ASCL Stores within the Supply Chain Management of the Company.

### 6.10.1 ACHIEVEMENTS

- a. The staff of the Division monitored the condition ASCL Plant Site Jetty, Niger Bridge Jetty and ASCL Weigh Bridge at Gate II.
- b. It was observed and reported that the Plant Site Jetty is in a dilapidating condition whereby the concrete floor slabs are sinking and collapsing. While the Weigh Bridge and its facilities are continuously diminishing as well.
- c. During the year under review, the Division furnished the status of the abandoned shipments/consignments at the Ports. At the instance of the new Management, the Division was mandated to locate the consignments and raise appropriate applications to the Nigerian Custom Service for revalidation/overtime clearance of the abandoned shipments. Relevant cost estimate for the transportation of seven (7) approved shipments/consignments by the Nigerian Custom Service has been since submitted to ASCL Management for further necessary action. The consignments include the followings: -
  - i. 5 x 20ft Container of TATA Refractory Materials.
  - ii. 1 x 20ft Bags of Conveyor Belt.
  - iii. 18 x 20ft Container of Alumina Bricks
  - iv. 1 x 40ft Container of Boiler Pressure parts
  - v. 1 x 20ft Container Bags of conveyor belt
  - vi. 18 x 20ft STC Refractory Materials for Mixer MAGNR.
  - vii. 5 PKGS of socket set screen variant ring nut.
- d. In line with the Nigeria Customs Service Correspondence Ref. No. NCS/ENF/ABJ/007/S78 dated 17<sup>th</sup> January, 2019 on regularization of Customs Import Documents, Management is reminded to direct Engineering Works and Services to expedite action in this regards.

## 6.11 GENERAL ADMINISTRATION

The General Administration Department of the Ajaokuta Steel Company (ASCL) is the Department that has responsibility for Establishment matters, Human Resource Development and General Services.

The Department is made up of Head (General Administration) office and three (3) other Divisions, namely:

- (a) Establishment
- (b) General Services
- (c) Human Resource Development

### 6.1.1 ESTABLISHMENT DIVISION:

#### ACHIEVEMENTS: -

- ❖ Letter of appointments were issued to 168 staff in 2019.
- ❖ 10 Upgrading/Conversion were issued out and 26 staff complained about their promotions and they were treated.
- ❖ 2 special promotions were issued to eligible staff
- ❖ 1,457 staff were promoted while 1 recommendation for promotion was treated
- ❖ 1 Letter of complaint on 2017/2018 promotion was handled
- ❖ 1 Enhancement for professional's issue was treated
- ❖ 50 Company staff were laterally converted during the period under review
- ❖ 2 Application for effective date of promotion was received and handled
- ❖ 385 Promotion letter of 11<sup>th</sup> September, 2019/complain was treated.
- ❖ 1 Letter of appeal and 1 application for proper placement and Advancement was treated
- ❖ 170 staff was redeployed while 199 staff was deployed to various offices and departments.
- ❖ 33 Contract of Appointments were renewed during this period
- ❖ 142 Regularization of position and 9 Correction of step were treated during this period.
- ❖ 28 Notification of expiration of Contract Appointment was carried out.
- ❖ About 1,145 staff files were screened for promotion while 385 staff was shortlisted for promotion and 1 application for inclusion in 2019 promotion exercise was treated. 2 letters of complaint were also received and treated
- ❖ 1 conversion to the Accounting Cadre and 1 application for conversion to Manager Cadre was handled.

- ❖ 10 Review of entry point were treated during this period.
- ❖ 9 Complaint on regularization of position was received and handled.
- ❖ 5 Request for corrective promotion/upgrading was treated
- ❖ 18 change of designations were handled within the period
- ❖ The number of results and certificates from different institutions that were tendered for verifications were 819 out of these were verified and acknowledged.
- ❖ 579 staff were issued Acknowledgement letter
- ❖ The number of transfer of service were 13 during this period
- ❖ 2,697 staff were granted various types of leave as shown below: -
  - (i) 2,198 staff were granted annual leave
  - (ii) 372 staff were granted casual leave
  - (iii) 63 staff were granted examination leave
  - (iv) 23 female staff was granted maternity leave within the period.
  - (v) 38 Terminal leave
  - (vi) 1 Sick leave
  - (vii) 1 Secondment of appointment
  - (viii) 1 compassionate leave
- ❖ 76 Change of Next of Kin were treated and 12 Change of Name were handled accordingly.
- ❖ 20 Confirmation of Date of birth/date of 1<sup>st</sup> appointment was rectified
- ❖ 69 staff Exited from the services of the Company
- ❖ 31 Records of service were issued out to retired staff and 22 Certificate of service.
- ❖ Confidential reports received from various Institutions were 16 in numbers and were also acknowledged.
- ❖ A total of 24 staff of the Company that applied for confirmation of appointment was granted.
- ❖ 6 staff of the Company applied for upgrading.
- ❖ 28 Contracts that had expired were duly notified and handled.
- ❖ The Division handled many disciplinary cases as shown below: -
  - 49 Queries were issued
  - 11 Warning letter was given out
  - 4 Withdrawal of queries
  - 15 Advice
  - 6 Reprimand issues
  - 1 Reinstatement letter was issued
  - 57 letters of Commendation were given out to deserving staff
  - 19 corresponding sundry cases were handled.



- 500 staff identity cards were issued to staff that requested for it.

### **6.11.2 WELFARE SERVICES SECTION**

- (i) The M/S Laurmann staff carried out the cleaning of the MAWB which was supervised and monitored by Welfare section for cleaning of the building and its surroundings which led to the clean environment.
- (ii) Eighty-two (82) forms were processed for refund of NHF contributions for retired and deceased staff. Some have been able to receive their refunds while others are awaiting theirs as soon as possible.
- (iii) The section ensured that the corpses (12) were handed over to the families of the deceased for proper burial, letter of condolences and ASCL Management representatives were sent for the burial
- (iv) The processing of burial grants for the deceased staff had been done, some have been paid fully, some partly paid, while others are awaiting payment by Finance Department.
- (v) About seventy-five (75) mails were received for the company. Letters were also received and dispatched within various Departments of the steel territory.
- (vi) Cooking and sales of food to staff was done throughout the year, despite the increase in the price of food items, food was sold at a subsidized price.
- (vii) Profit of five hundred and eighty-nine thousand and fifty Naira (₦589,050.00) was made in the MAWB Canteen within the year.
- (viii) Meals were provided for guests and special visitor of the company as approved by the management.
- (ix) Lodging and feeding of official guests, that is the Minister's visit and his entourage, the verification officers team, External Auditors and promotion supervisors.
- (x) Guest were lodged in the guest, some of which were guests/visitor while others paying guests.

### **6.11.3 INDUSTRIAL RELATIONS SECTION**

- i. Maintained stable peaceful industrial harmony in the Steel territory with year under review.
- ii. Effectively resolved the intra group Union democracy that could have resulted into serious violence in the Steel territory.
- iii. Advise Management appropriately on Labour and Union matters to avoid breaking down rules as contained in the ASCL Condition of Services.
- iv. Handled Staff complaints adequately to avoid going to police where they waste precious time, money and washing their dirty leanings in the public.

- v. Helped in boosting economic activities by nip on bud cases that could have triggered off serious violence resulting to Community clashes.
- vi. Coordinate the activities of the trade Unions
- vii. Properly disseminated Management circulars to workers at various workshops at the Plant Site.
- viii. Properly handled and managed attendance registers at the designated locations at the Plant Site.
- ix. Coordinated the Management of Estate Welfare Committee activities in the various Housing Estates.

## 6.12 ADMIN

### ACHIEVEMENTS

- (i) Staff discipline was maintained through sanctions – queries, warnings and advice.
- (ii) Regularization of position for 700 staff who complained of stagnation.
- (iii) Completion of work on the 2019 Manpower Budget and its defence.
- (iv) Successful PENCOM enrolment of 74 staff due to retire in 2019
- (v) Successfully conducted the 2018 Promotion Examination for all eligible staff.
- (vi) Recruitment and documentation of newly employed staff.
- (vii) Successfully hosted the 2018 Conference of the Nigerian Society of Engineers (NSE).
- (viii) Played host to a number of dignitaries like the former Permanent Secretary (MMSD), The Honourable Speaker of the House of Representatives, the Honourable Minister of State for Labour and Employment and some senior students from the National Institute for Policy and Strategic studies (NIPSS).
- (ix) Kept the MAWB and its surroundings clean throughout the year in question.
- (x) A total of 271 forms were processed for refund of National Housing Fund (NHF) contributions for retired staff.
- (xi) Generated revenue to the Company through Canteen and Guest house services.
- (xii) Successfully organised training two (2) times for all categories of staff.

#### 6.12.1 Human Resources Development

The Company Training functions are under general jurisdiction of General Administration Department and specifically under the coordination of the Human Resources Division. As a division, Human Resources Development is saddled with:

- a. Drawing and Operating Annual Training plans which are in tandem with the rules and regulation as entrenched in the training policy of the Company.
- b. One of the major objectives is sensitizing staff on the worth of various certificates, identifying the relevant certificate among the staff such as Diplomas (ND, HND), Degree, P.G.D.E, Masters and PHD, Cross-checking the mode of obtaining and progressing them
- c. To meet the critical needs of staff regarding career development through self - improvement programmes.

### ACHIEVEMENTS

- a. The Human Resources Division had achieved a great deal in giving approvals to staff in different areas of training programmes totaling 271 for the year 2018 for (Seminars, Workshops, Conferences and MCPD).
  - b. We have had two (2) Successful mandatory staff training for all categories of ASCL staff in 2018. First phase was conducted between September 19<sup>th</sup> and 20<sup>th</sup> September, 2018 and the second phase was conducted between 11<sup>th</sup> December 2018 to 13<sup>th</sup> December, for over 2,820 staff.
1. Batch 'A' training organized for some selected staff from the various departments on *Fire, Safety, Health, Security and Environment* between 25<sup>th</sup>, 26<sup>th</sup> June, 2019. 50 staff were selected.
  2. ICT training and Development programme by *Advance CISCO Network and Wireless Communication centre Limited. (CAN AND WCC LTD)* - For all staff of the Company for four (4) days.
  3. Training programme conducted by *Ozuveva Consulting Limited* for staff on GL 16-17 on *leadershipenhancement series programme* between 16<sup>th</sup> and 17<sup>th</sup> December, 2019. 42 Top Management staff, which includes *all GMs, HEADS OF DEPARTMENT, DGMs and Acting DGMs were trained.*
  4. Part- time programme approved. 92 staff enjoyed the privilege of the Company to acquire more knowledge pertaining to their educational status.
  5. Seminar/ Conference/ Work-shop. 15 staff were considered and selected based on their fields of specialty.
  6. NYSC - The Following Batches are in the system of the Company: -
    - (i) 2019/2020 Batch A - 20 Corpers

- (ii) 2019/2020 Batch BI - 30 Corpers
- (iii) 2019/2020 Batch BII - 12 Corpers
- (iv) 2019/2020 Batch CI - 12 Corpers
- (v) 2019/2020 Batch CII - 5 Corpers
- (vi) Total number of Corpers presently in the system - 79 Corpers.

Passed - out Batches: -

- i. 2018/2019 Batch BI - 21 Corpers
  - ii. 2018/2019 Batch BII - 7 Corpers
  - iii. 2018/2019 Batch CI - 18 Corpers
  - iv. 2018/2019 Batch CII - 4 Corpers
- Total number - 50 Corpers.

7. SIWES: -

- i. 116 Received
- ii. 107 Deployed

8. One Year Industrial Training. 7 IT students are undergoing their training.

## CHALLENGES

On a general note, the efficiency and effectiveness of the Department's services are hampered by inadequate stationery, office equipment (i.e. Computers/Printers, Photocopying Machines and Scanners, Air conditioners, motorcycle to aid movement of Industrial Relations personnel, utility vehicle, inadequate guest houses, inadequate personnel, Lack of Safety wears for site workers, inadequate funds to ensure regular purchase of foodstuff for feeding Company guests and security agencies, Purchase of Food processor in the MAWB Canteen and Regular training of staff to improve self through relevant courses and seminars, etc.

The attendant consequences are drawbacks in carrying out individual Divisional functions.

## CONSTRAINTS/PROBLEMS

- a. Dispatching of stationery for effective duties. - HRD had no effective Computer Set, no photocopying machines, scanner, flash-drive and letter headed papers etc
- b. Un-accredited institutions programme chosen by staff for certificate sake.

- c. Unilateral decision of staff to embark on courses not relevant to their job schedule, but later seek Management retrospective approval.
- d. Interference of Top-Management staff to Company training policy for automatic approval, promotions and upgrading.
- e. Corpers Lodge/welfare are matters of serious concern.
- f. Accommodation is an eye-sore, very poor.
- g. Non-payment of monthly stipend to Corpers and one-year IT, SIWES Students for industrial attachment made them to reject ASCL as their place of choice of service.
- h. Re-imburement from I.T.F. is lost to ASCL as a result of non-payment of the Company's statutory contributions to the training fund since 2013.
- i. There is a mis-match between Employees training needs with job schedule. Staff be trained in line with current and future needs.
- j. HRD does not have a system where requisite information and automated data-based system.

### 6.13 SCHOOLS

#### SCSS I

##### MAJOR ACHIEVEMENTS: -

1. Reducing rate of indiscipline in the school.
2. Taking first position in the Chemical Society of Nigeria zonal quiz competition.
3. Three students had 300 and above in the recent Jamb.
4. Provision of Musical Instruments for the studio in the school.
5. Providing Iron protectors for the school Hall.
6. The best two students in WAEC had 9 and 8 credits.

#### SCSS II: -

##### MAJOR ACHIEVEMENTS:

1. Successful completion of penalty: The release of WASSCE 2019 result of all candidates which ends the 2years penalty imposed by the council for an alleged fault in WASSCE 2017.
2. Excellent Jamb Score: - Shaibu Stephen Adinoyi scored 300 in JAMB 2019, what an excellent performance.
3. Inclusion on merit list of Post UTME: - Shaibu Stephen Adinoyi scored 75% in Uni-Ilorin Mechanical Engineering Dept and placed him on the merit list, 1<sup>st</sup> batch publication.
4. Setting of New Record WAEC: - Shaibu Stephen Adinoyi scored A1 in Maths, Physics, Further Maths, and Geography, with a total of 8 distinctions in WASSCE 2019, first in the history of the school.

5. Retention of the School as WAEC centre: - The retaining of the school as a centre to conduct WASSCE in Nigeria.
6. 2019 WASSCE result analysis shows that 18 subjects out of 23 score above 60% at credit level performance. This include English Language and Mathematics.

**SCSS III: -****MAJOR ACHIEVEMENTS: -**

1. Accreditation of the school by Federal Ministry of Education and National Examination Council for senior certificate examination.
2. Building of Science Laboratories in progress.
3. Construction of urinary tent for students use.
4. The school came first in Kogi State for the National Cowbell competition and represented the State in Lagos.

**ASPS I:-****MAJOR ACHIEVEMENTS: -**

1. The school came 1<sup>st</sup> amongst ASCO schools overall in the ASCO Comprehensive Common Entrance Examination
2. The swamping area in front of the offices was filled with gravels.
3. Repairs of all the broken down pupil's tables and chairs including the staff chairs.
4. The school was painted to give it a face lift.
5. Successful 2019 End of session and graduation ceremony.
6. The school bought a Generator to serve the school during examination in typing the questions and other school's need.

**ASPS II: -****MAJOR ACHIEVEMENTS: -**

1. Production of seats and desks for new intakes.
2. Light restoration back to the school.
3. Painting of part of the school building.

**ASPS III:****MAJOR ACHIEVEMENT: -**

1. Fencing of the school compound.
2. The school bought four ceiling fans for staff room.
3. Repair of school gate and keys to both staff room toilets.

## 7.0 NATIONAL IRON ORE MINING COMPANY LIMITED (NIOMCO), ITAKPE

The history of the National Iron Ore Mining Company (NIOMCO), Limited dates back to April 14, 1971, when the Federal Government promulgated Decree No. 19, setting up the Nigerian Steel Development Authority (NSDA) to plan, operate and maintain iron and steel plants in the country. In 1979, Decree No. 60 of 19<sup>th</sup> September dissolved NSDA and established six (6) companies in its place, one of which was Associated Ores Mining Company (AOMC). The responsibilities of AOMC were in the field of mining and production of Iron Ore concentrates and other mineral raw materials required for steel making.

In order to minimize overlapping of functions, the then supervising Ministry of Power & Steel rationalized the roles and responsibilities of its parastatals in 1987, renaming AOMC as “National Iron Ore Mining Company (NIOMCO), Limited”. The Company’s responsibilities centered on exploring, exploiting, processing and marketing of iron ore for the Nigerian Steel Industry.

### 7.1 NIOMCO’S CORE MANDATES

In accordance with its Articles and Memorandum of Association, National Iron Ore Mining Company’s corporate objectives include:

- (i) To produce and supply 100% of iron ore concentrate requirements of Ajaokuta Steel Company Limited (ASCL), amounting to 2.15 million tonnes of 63-64%Fe concentrates per year, to enable it produce 1.3 million tonnes of liquid steel per annum during its first phase production stage.
- (ii) To produce and supply 40% of the iron ore requirement of Delta Steel Company, (DSC), Limited, Aladja, amounting to 550,000 tonnes per year of 67-68% Fe grade super concentrate.
- (iii) To export the concentrate to the International Markets after satisfying the local demands including the expanded demands of the primary steel plants.
- (iv) To arrange and co-ordinate the exploration, exploitation and supply of raw materials required by the Nation’s major steel plants. The raw materials include coking coal,



limestone/marble, dolomite, refractory clays, manganese, bauxite, ferro-alloy materials, etc.

## 7.2 MAJOR ACHIEVEMENTS SO FAR SINCE INCEPTION

A vibrant Iron and Steel Industry is the hub of industrialization and the development of this industry in any nation is very crucial to the technological development, overall industrialization and socio-economic advancement of the nation.

The major raw material for the Steel Industry is Iron Ore, which only NIOMCO has the capacity to produce at present if well-funded. Without NIOMCO, the Nigerian Steel Industry which is a critical missing link to industrialization cannot be achieved.

The catalogue of benefits derivable from the committed development of the Nation's vast iron ore reserves totaling over 4 billion tonnes include among others; self-reliance in the supply of the raw materials for local Steel Plants and Industries, foreign exchange savings through import substitution, foreign exchange earnings through export of Iron Ore concentrates as well as semi-finished and finished Steel products. Other benefits are the springing up of downstream and upstream industries, generation of huge employment opportunities, acquisition of technological skills and human capital development in solid minerals development, wealth creation and inclusive economic growth.

- (i) Commencement of Itakpe Iron Ore Mine Development -1979.
- (ii) Completion of the power supply systems including 15 MW Emergency Power Plant.
- (iii) Staff House Development at Mining Township, Camp I and Camp II.
- (iv) Completion of Itakpe-Ajaokuta Ore Rail Line in 1990 for evacuation of iron ore concentrate to Ajaokuta/commencement of Ajaokuta - Warri Rail Line Extension.
- (v) Completion of Osara Dam in 1990 for the supply of raw water for the beneficiation of iron ore.
- (vi) Completion and commissioning of the Crushing Line (First Chain) of the Beneficiation Plant in 1992.
- (vii) Completion, commissioning, and commencement of concentrate production in 1993 from Concentrate Production Lines 1 and 3.

- (viii) Production of 291,000 tonnes of iron ore concentrate, 2.99 million tonnes of Iron Ore and 9.02 million tonnes of associated waste prior to concession.
- (ix) Production of about 342,542 tonnes of iron ore concentrate during the concession period of 2005 to 2008.
- (x) Supply of 12,000T of concentrates to ASCL to test the handling facilities in 1993.
- (xi) Supply of 58,000T of enhanced quality concentrates to DSC for the production and supply of high quality of billets for the Inland Rolling Mills at Jos, Oshogbo and Katsina between 1994 and 1996.
- (xii) Sale of over 31,000T of concentrates to cement industries, pipeline coating industries, etc in 2004.
- (xiii) Sale of over 500,000T of concentrates (old and new stock) to DSC and other users by GINL from 2005 to 2008.

### 7.3 2019 ACTIVITIES

1. Security and maintenance of Federal Government (FGN) investments, equipment and facilities at NIOMCO.
2. Prompt Submission of Monthly Progress Reports of NIOMCO to the Ministry. This was commended by the Permanent Secretary, who recommended the report to be submitted quarterly.
3. Successfully advertised, carried out Bid opening and evaluation of 2019 Capital Budgets in accordance with the Procurement Act, 2007.
4. Supervised and monitored the completion of awarded 2017 Capital Projects.
5. Participated in various meetings of the Ministry at Abuja, such as the 2019 budget defense, Manpower Budget defense, Presentation of PwC Report on Intercompany Indebtedness between FGN, ASCL, NIOMCO, DSCL and GINL, Full demobilization and removal of Messrs KOCH Nigeria Ltd's properties from the project site at NIOMCO.

6. The prompt assistance and intervention of the Ministry in defraying the longstanding indebtedness of NIOMCO to Abuja Electricity Distribution Company (AEDC) was greatly appreciated.
7. Participated as delegate at the Kogi State Economic and Investment Summit 2019, various Conferences and Stakeholder's Engagement to Develop Strategies for Bridging the Capacity Gaps in the Development of Mineral Raw Materials and Products in the Metal Sector.
8. Ensured and maintained constant uninterrupted power supply to the Company and the provision of illumination to ensure effective security surveillance.
9. Had series of correspondence and meetings with the Nigerian Electricity Regulatory Commission (NERC) to discuss the modalities of connecting power supply directly from GENCO/TCN.
10. Public auctioning of boardable items and materials was carried out at NIOMCO.
11. Organised Seminars and Trainings for staff on grade level basis to sensitise and educate staff on Implementation of the Executive Orders.

#### **7.4 2019 BUDGET PERFORMANCE**

##### **Summary of 2019 budget performance**

<b>S/no</b>	<b>Budget classification</b>	<b>Appropriation (naira)</b>	<b>Amount released (naira)</b>	<b>Amount utilized (naira)</b>	<b>% utilization</b>
1	Personnel	1,473,363,223.00	1,268,540,543.65	1,268,540,543.65	86.1
2	Overheads	62,626,986.36	30,027,609.59	30,132,110.00	48.11
3	Capital	576,400,000.00	57,640,000.00	10,595,912.83	1.84
<b>4</b>	<b>TOTAL</b>	<b>2,112,390,209.36</b>	<b>1,356,208,153.24</b>	<b>1,309,268,566.48</b>	

##### **7.4.1 BUDGET UTILIZATION**

In the 2019 appropriation by the Budget Office of the Federation as passed by the National Assembly, the total sum of N2,112,390,209.36 (Two Billion, One Hundred and

Twelve Million, Three Hundred and Ninety Thousand, Two Hundred and Nine Naira, Thirty-Six kobo only) was approved for NIOMCO as shown below:

Personnel Cost	-	N1,473,363,223.00
Overhead Cost	-	N62,626,986.36
Capital	-	N576,400,000.00
<b>Total</b>	-	<b>N2,112,390,209.36</b>

#### 7.4.2 CAPITAL

NIOMCO was allocated the sum of N576,400,000.00 (Five Hundred and Seventy-Six Million, Four Hundred Thousand Naira only) for Capital Expenditure for the year 2019. The sum of Fifty-Seven Million, Six Hundred and Forty Thousand Naira only (N57,640,000.00) was released and Ten Million, Five Hundred and Ninety-Five Thousand, Nine Hundred and Twelve Naira, Eighty-Three kobo (N10,595,912.83) was utilized, giving percentage utilization of amount appropriated as 1.84%, as shown in Table A below. NIOMCO's target is to achieve full utilization of appropriated funds.

Key capital project which would give the Company a facelift and impact the image of Company positively was embarked on. This was in compliance with the proposal submitted and approved for the 2019 budget.

The project selected and executed was:

- Rehabilitation/Repairs of Office Buildings

#### 7.4.3 PERSONNEL

Table B below shows a breakdown of the monthly payments from Personnel Cost, disbursed under the IPPIS division by the Office of Accountant General of Federation. From the analysis, it is shown that the utilization level of amount appropriated was 86.10% for the year 2019.

#### 7.4.4 OVERHEAD

A total sum of Sixty-Two Million, Six Hundred and Twenty-Six Thousand, Nine Hundred and Eighty-Six, Thirty-Six kobo was approved, out of which Thirty Million, Twenty-Seven Thousand, Six Hundred and Nine Naira, Fifty-Nine kobo (N30,027,609.59) was released to NIOMCO and Thirty Million, One Hundred and Thirty-Two Thousand, One Hundred and Ten Naira (30,132,110.00) was utilized. From analysis, the utilization level of amount appropriated was 48.11% for the year 2019.

#### 7.5 CHALLENGES AND CONSTRAINTS

The major challenges facing NIOMCO includes:

- Inadequate funding to adequately cater for critical security needs, maintenance and day to day running of the Company.
- Inadequate fencing or perimeter fencing of the Company to block all illegal routes to beef up security of the Company properties and personnel.

## 8.0 SOLID MINERALS DEVELOPMENT FUND (SMDF), ABUJA

The Solid Minerals Development Fund was established on February, 2013 in line with the provisions of section 34 of the Nigerian Minerals and Mining Act, 2007.

### 8.1 MANDATES

*SMDF* is envisioned to play the following roles:

- Development of both human and physical capacity in the sector
- Funding for geo scientific data gathering, storage and retrieval to meet the needs of private sector led mining institutions to enable them perform their statutory functions.
- Equipping the mining institutions to enable them perform their statutory functions.
- The extension services to small scale and artisanal mining operations pursuant to section 91 of the Minerals and Mining Act, 2007 and
- Provision of infrastructure in mines land

### 8.2 ACTIVITIES

#### A. BASELINE STUDY OF INFRASTRUCTURAL NEED IN MINES LAND AND SOLID MINERALS GEO- SPATIAL MAPPING OF THE ENTIRE COUNTRY

The project is to determine infrastructural need in mines land across the country. It is divided into two (2) parts with North (North- West, North- East, North- Central and FCT) and South (South- South, South- West and South- East). Having completed the project in northern part of the country in 2018, the study was conducted in southern part of the country in 2019.

#### SHORT FALL

When the project was conceived it had a budgetary provision of seventy-one million Naira (N71, 000. 000. 00) in 2017 appropriation out of which the sum of twenty-six million seven hundred and fifty (N26, 750,000.00) Naira was released.

Due to the short fall in the release of funds, the project was systematically executed starting with the baseline study conducted in Northern part of the country in 2017 and that of the southern part from 2019 appropriation. The Fund's proposed sum of forty-three million (N43, 000, 000. 00) for the project in year 2019 budget was approved and released with which the study was concluded.

*While the baseline study just concluded is for southern Nigeria, the solid minerals geo-spatial mapping covers the entire country.*

#### **COMPLIANCE WITH PUBLIC PROCUREMENT ACT**

As indicated above, the procurement process for the study was carried out in 2017 where the under-listed processes were dully followed.

1. Advert was place in two (2) national dailies (People's Daily and Tribune) and Tenders journal for expression of interest (EOI).
2. EOI was opened on 17<sup>th</sup> October, 2017 and evaluated accordingly.
3. Five (5) companies were pre- qualified to submit proposal for Lot one (1) and six (6) companies for Lot 2
4. Four (4) companies submitted in Lot one (1) and five in Lot (2).
5. Technical proposal was opened with the representative of the consultant and Non-Governmental Organization.
6. Technical proposals were evaluated and the companies that met the qualifying pass mark were invited for financial opening.
7. Financial bids were opened and evaluated.
8. The consultant that was adjudged to have won the bid was contacted on the possibility of revalidating his bid submitted in 2017, which he did.
9. Upon revalidation, the job was awarded to Arcaca consult for the sum of forty-two million five hundred thousand Naira (N42, 000, 000. 00) only having scored the highest combined score of technical and financial proposals for Lot 1



## B. STRATEGIC ENGAGEMENT, ENSITIZATION WORKSHOP: STARTEGIC ROUND TABLE WORKSHOP FOR NORTH EAST AND SOUTH- EAST GEO POLITICAL ZONES

The project is aimed at creating awareness on the existence of Solid Minerals Development Fund (SMDF) as well as sensitizing the general public on its mandate. The targeted participants are stakeholders in the solid minerals sector, academia, strategic partners/donors from international community e. t. c. The project which comprises two programs with electronic media campaign, production of dissemination resources and project vehicle imbedded are:

1. *Stakeholders' workshops*, proposed in the six (6) geopolitical zones of the country
2. *Lunch event* which is the grand finale, proposed to be held in Abuja, which is to take place after the workshops at the geopolitical zones.

### EXECUTION OF THE PROJECT

The workshop was executed in four (4) geo- political zones of the country with South-South and North- West conducted from year 2016 appropriation, those of North- Central and South- West were conducted from year 2017 appropriation and those of North- East and South- East from year 2019 appropriation.

### 8.3 OTHER ACTIVITIES

1. First phase of ICT equipment procurement has been successfully concluded. Devices delivered and installed include networking systems and computers. By *MinDiver*
2. Interviews have been concluded and issuance of offer letters has started.
3. Ongoing discussion with the National Income, Wages and Salaries Commission on a new salary structure for the Fund
4. A new Toyota Hilux has been assigned to the Fund by *MinDive*
5. First phase of furniture acquisition carried out by *MinDiver*
6. Flag-off of the reconnaissance survey of salt deposits in Ebonyi state as directed by His Excellency, The President of the Federal Republic of Nigeria.

7. Ongoing discussions on strategic alliance to explore and commercialize solid minerals deposits in Jigawa state.
8. The Governor of Kaduna State has written to His Excellency, The President of the Federal Republic of Nigeria on a potential partnership with the Solid Minerals Development Fund on Nickel deposits in his state.
9. The Governor of Niger State has written to His Excellency, The President of the Federal Republic of Nigeria on the expansion of the Presidential Artisanal Gold Mining Development Initiative to include his state.
10. Ongoing partnership with Sokoto state Government on Phosphate exploration and mine development.
11. Artisanal gold mining baseline surveys ongoing in pilot states, Intervention sites have been identified and flag-off is scheduled for 1<sup>st</sup> quarter of year 2020.

## 8.4 CONCLUSION

### 8.4.1 ACHIEVEMENTS

1. Successful completion of the baseline study on infrastructural needs in mines land will avail a working document and a reference point on the state of infrastructure in mines land
2. Completion of Solid Minerals Geo-spatial mapping of Nigeria avails a reference point and quick information (at a glance) on solid minerals and their locations in the country.
3. Strategic Engagement and Sensitization created as most participants confessed to knowing the existence of Solid Minerals Development Fund only through the workshop.
4. The Strategic Engagement/Sensitization workshop (grand finale- *Lunch event*) is expected to be carried out in Abuja from year 2020 appropriation.

## **9.0 COUNCIL OF NIGERIAN MINING ENGINEERS AND GEOSCIENTISTS (COMEG)**

### **9.1 INTRODUCTION**

Council of Nigerian Mining Engineers and Geoscientists (COMEG) was established by Decree 40 of 1990 because of the need to regulate the training and practices of professionals in the Nigeria Extractive Industry. However, the first council was not inaugurated until the 12<sup>th</sup> of September, 2000. The council became operational with the appointment of a Registrar on 1<sup>st</sup> of May, 2001. The Decree establishing the council is now enshrined in CAP C33 LFN 2004.

Although the professionals been regulated by COMEG are found in many Ministries and agencies viz: Petroleum, Water Resources, Science and Technology, etc, it was agreed at that time that the Council be domiciled in the Ministry of Mines which was the parent Ministry for Petroleum Resources.

### **9.2 FUNCTIONS OF COMEG:**

The functions of the Council as prescribed in the Act are as follows:

1. Prescribe and enforce the minimum standards of education and experience to be obtained by persons qualified to practice as Registered Mining Engineers, Geoscientists and other professionals.
2. Prescribe and enforce the code of conduct of Registered Mining Engineers, Geoscientists and other professionals.
3. Secure the establishment and maintenance of register of persons entitled to practice as Mining Engineers, Geoscientists and related professionals, and reviews the standards from time to time, as circumstances may require.
4. Regulate and control the practice of Mining Engineering, Geosciences and related professions, in all its aspects and ramifications.
5. Maintain discipline in the profession in accordance with the Act.
6. Approve any course of training which is intended for persons seeking to become members of the professions under this Act and which Council considers is designed to confer sufficient knowledge and skill for the practice of the relevant profession.
7. Perform other functions which are calculated to facilitate the carrying out of COMEG's activities under the Act.

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5. Maintain discipline in the profession in accordance with the Act.
6. Approve any course of training which is intended for persons seeking to become members of the professions under this Act and which Council considers is designed to confer sufficient knowledge and skill for the practice of the relevant profession.
7. Perform other functions which are calculated to facilitate the carrying out of COMEG's activities under the Act.

### **9.3 ACTIVITIES:**

#### **i. Professional Accreditation of Programmes in Tertiary Institutions.**

In terms with its mandate, COMEG Accreditation Teams have visited relevant tertiary institutions throughout the country and carried out professional accreditation exercises. To facilitate the exercise, a benchmark of Minimum standards of education and experience to be obtained was established for persons to be registered as Mining Engineers, Petroleum Engineers, Metallurgists, Geoscientists and other related professions. We believe this is at the core of our mandate since education is the foundation for every professional and the foundation must be solid if the house is to stand the test of time.

**ii. Professional Development Programme:**

Continuous Professional Development Programme is carried out annually to develop capacity of professionals in Geology, Mining, Mineral Processing and related areas in the extractive industry.

**iii. Monitoring and Evaluation of Mining, Quarrying and Water Well Drilling:**

Monitoring and Evaluation of professionals and operators in Mining, Quarrying, Water Well Drilling and Mineral Processing are carried out to ensure adherence to Professional Code of Conduct, Laws and Regulations in the Industry and, where necessary, enforce compliance to them.

**iv. Membership and Revenue Drive:**

In order to ensure that persons practicing in the extractive industry are in compliance with the law, membership and revenue drives are carried out periodically to capture and register new members and also to increase Internally Generated Revenue of the council.

**v. Registration and Induction of Professionals:**

Applications from Mining Engineers, Geoscientists and Related Professionals are continuously received and processed. Applicants who satisfy requirements and passed the necessary examination are registered in compliance with the Act. Induction Ceremony of successful applicants are conducted at the end of every year where Instruments of Practice are handed over to them.

vi. Presently, COMEG has a total number of Two Thousand, One Hundred and Eighty-Eight (2751) registered professionals and Eighty-Four (166) Corporate Members. The last Induction Ceremony was conducted recently on 17<sup>th</sup> December 2020 during which 563 professionals and 86 companies were inducted.

## **9.4 THE FIFTH COUNCIL:**

The 5<sup>th</sup> Council was inaugurated on the 12<sup>th</sup> of March, 2018 by the then Honourable Minister of Mines and Steel Development, Chief Kayode Fayemi and the Inaugural Meeting of the Council was held on 30<sup>th</sup> and 31<sup>st</sup> of May, 2018. The following are the current board members of the Council:

- |       |  |   |                           |
|-------|--|---|---------------------------|
| i.    | Chief Godspower Okpoi                                    | - | Chairman                  |
| ii.   | Engr. Simon Nkom <i>Fnmgs</i> (NMGS President)           | - | Vice Chair                |
| iii.  | Prof. T. K. S. Abam <i>Fnmgs</i> (Tertiary Institutions) | - | Member                    |
| iv.   | Engr. Umar A. Hassan <i>Fnmgs</i> (NSRMEA)               | - | Member                    |
| v.    | Dr. A. G. Iliya <i>Fnmgs</i> (NMGS)                      | - | Member                    |
| vi.   | Engr. Benjamin I. Nwude <i>Fnmgs</i> (NMGS)              | - | Member                    |
| vii.  | Engr. Busari Kamoru O. (Min. of Petroleum Res.)          | - | Member                    |
| viii. | Mrs. Bolanle I. Akinwande (NGSA)                         | - | Member                    |
| ix.   | Mrs. Adedjoja R. Ojelabi (Oil & Gas)                     | - | Member                    |
| x.    | Mr. Frank Odoom (MMSD)                                   | - | Member                    |
| xi.   | Mr. Ogunmola Johnson Babatunde                           | - | Ag. Registrar (Secretary) |

**i. Council Committees:**

The various committees of the Council include:

- a. Establishment Committee
- b. Finance, General Purpose and Establishment Committee
- c. Technical Committee
- d. Disciplinary Committee

**ii. Staff and Management Committee**

The Council is manned by 26 Staff, comprising of 18 Senior and 4 Junior Staff employed by COMEG while 4 other staff are seconded from the Office of the Accountant General of the Federation.

The Management staff are:

1. Mr. Ogunmola Johnson Babatunde      Ag. Registrar/ CEO & HOD, F & A
2. Mr. D. M. Ibrahim                              HOD, Registration & Accreditation
3. Mr. M.A. Ibrahim                              Head of Procurement
4. Mr. Moses O. Kujore                              Head of Administration

## 9.5 CHALLENGES:

The major challenges hindering the progress of COMEG are as follows:

### 1. Lack of Permanent Head Office Building.

COMEG is operating in a rented property which the council using its Internally Generated Revenue. However, with the Treasury Single Account Policy, paying the yearly rent has become a herculean task and the Ministry had to intervene to forestall the eviction of the council from the property. All efforts to secure a government building for its operations has so far proved abortive.

We therefore solicit the Honourable Minister's support in securing a befitting permanent office structure for the Council.

### 2. Inadequate Staff.

At present, there are only five (5) technical officers out of the twenty-four (26) staff of council carrying out all the technical duties. This has led to staff being overworked and coupled with unfavourable working conditions, it is hard to attract and retain quality staff for the council. Efforts are also on through the Head of Service to employ additional staff.

### 3. Staff Training:

Due to paucity of funds in the council, staff training are irregular and far in-between. We therefore solicit that COMEG staff be periodically considered for trainings organized by the ministry both locally and internationally to improve their capacity.

### 4. Inadequate Funds:

The funds available to the council has continued to dwindle even as the responsibility of the council continue to increase. These has led to the council not being able to live up to some of its responsibility. For instance, professional accreditation visits to tertiary institutions has not been conducted for a long time now, so also membership and revenue drives among others.

## 9.7 CONCLUSION:

The Permanent Secretary, Sir, while I welcome you to the Ministry of Mines and Steel Development, I wish to solicit for your assistance in tackling the numerous challenges of the council.

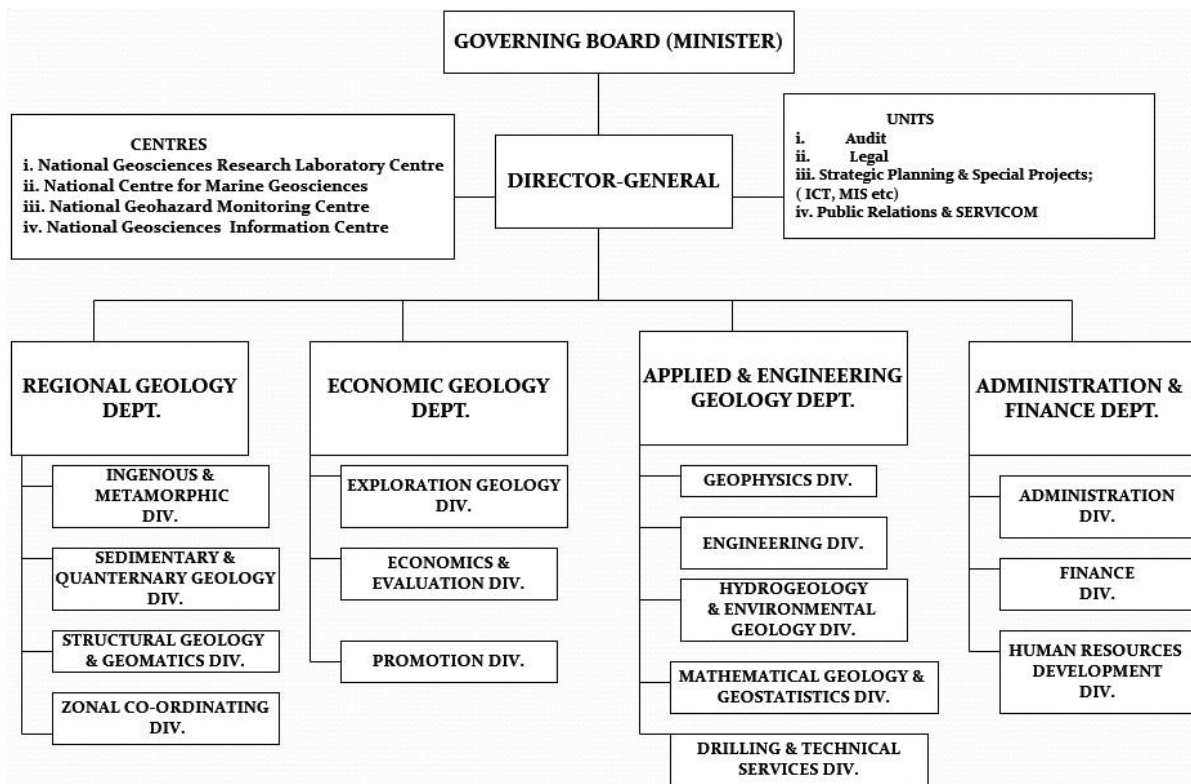


## 10.0 NIGERIA GEOLOGICAL SURVEY AGENCY (NGSA)

The Nigerian Geological Survey Agency is responsible for collecting, archiving, processing and making available data concerning that unique portion of the earth’s crust, which form the foundation of national territory. The functions of the Agency could be summarized as follows;

- Producing geosciences information for the development of a viable mining industry and for poverty alleviation;
- Carrying out basic geo-scientific research to advance the knowledge of geology and the mineral deposits in Nigeria and elsewhere;
- Producing geological and sound environmental management;
- Serving as
  - the national depository of all geo-scientific information relating to the earth, the marine and geomagnetic space.

Below is the organogram of the Nigerian Geological Survey Agency



## 10.1 ACTIVITIES CARRIED OUT IN 2019

### 1. GEOLOGICAL MAPPING OF OYO, IGANGAN, NSUKKA AND LAFIAGI SHEETS ON A SCALE OF 1: 50,000

Geological field mapping is the foundation of any geosciences activities as it helps in the acquisition of bedrock information that will assist stakeholders/mining companies in taking critical decisions before embarking on any mineral exploration and exploitation campaigns. This is so because, geological mapping enables the identification of different rock units, their nature and compositions, geological structures and boundaries which all together helps to explain the mineralization potentials of the area.

The outcomes of the projects include Geological maps, Bulletins, information on mineral occurrences in the mapped area and Reports. These outcomes are critical information for the investor.

### 2. GEOCHRONOLOGICAL MAPPING OF NIGERIA

Geochronological mapping is aimed at determining the age of rocks, fossils, and sediments using signatures inherent in the rocks. This helps in the determination of mineralization styles and ore models which often leads to discovery of huge mineral deposits. This knowledge helps to answer questions such as when did a volcano last erupt, what is the rate of crustal uplift in a specific area, are rocks at one gold prospect the same age as those at another or are the age of the strata overlaying each other the same.

#### **Purpose of Study:**

Often, the most basic knowledge required for resource exploration is the age of rocks in a given area, regardless of whether the resource is mineral, petroleum or geothermal. The rock ages provide information about how the rocks are related and what geological events of which they may have been part. This can provide important information on exploration such as providing the age at which igneous rocks were extruded onto the surface or intruded into other rocks which can be related to associated mineralization. It will also provide information on depositional ages and provenance of the sedimentary rocks which host mineral and energy resources such as petroleum, coal or gas.

Status:

Geochronological mapping of Nigeria is an on-going project beginning with north east and northwestern part of the country. The output of the project shall be rock sample inventory, dating results, Capacity to conduct test in-house, Geochronological database, Atlas/Maps, rock age map and reports.

Project Outcome:

Geochronological Database would be generated that shall enable the redefining of the geological history and associated mineral systems.

New Geological models will be derived and used to validate previous inferences. It will serve as an enticing avenue for researchers and explorationists interested in Nigerian Mineralization systems.



Taking the strike of foliation on the kabala gneiss at kabala costain, kaduna



### 3. PUBLICATION OF BULLETINS, GEOLOGICAL MAPS, REPORTS AND OCCASIONAL PAPPERS

The entire exercise was conducted by four teams each comprising a number of seasoned geologists. This was then followed by peer reviews and final checks in order to ensure accuracy subsequent to the publication of the bulletin. These publications are necessary because they contribute to the knowledge base of geoscience in Nigeria.

The publication of Lafiagi bulletin exercise which began with the geological mapping of the composite sheets of Osi, Isanlu, Pategi and Lafiagi on 1: 100,000 has been concluded.

The four sheets constitute the 1:250,000 sheet 32 (Lafiagi).

The publication of Kaduna bulletin is almost concluded.

The 1:250,000 Kaduna comprises of geological mapping of the composite sheets 1: 100,000 Kakuri, Kaduna, Igabi and Kajuru

The following maps were published and launched at the Annual conference of the Nigerian Mining and Geosciences Society (NMGS) Enugu 2019:

#### GEOLOGICAL MAPS

1:100,000 Sheet 224 (Osi)

1:100,000 Sheet 225 (Isanlu)

1:100,000 Sheet 204 (Pategi)

1:100,000 Sheet 8 (Gusau)

1:100,000 Sheet 32 (Kaura Namoda)

The following geological maps have been produced but yet to be launched:

1:100,000 Sheet 191 (Wase) Reviewed Edition

1:100,000 Sheet 203 (Lafiagi)



#### 4. ALTERATION MAPPING FOR TARGET MINERAL EXPLORATION USING THE NEWLY PROCURED STATE-OF-THE-ART SPECTRORADIOMETER

##### Spectral Remote Sensing

Satellite and airborne hyperspectral and multispectral imaging, are technologies used in a wide range of remote sensing applications. These tools allow researchers to detect patterns of mineralization and identify surface materials. Correlating and confirming the data acquired from hyperspectral and multispectral imagery requires field work ground truthing using a field portable spectroradiometer which improves the accuracy and adds detail to the basic data provided by the hyperspectral or multispectral imagery. Reflectance spectroscopy in the field can be performed without sample preparation or destruction for both geological/geochemical and vegetation applications. The Agency deployed the recently acquired RS 3500 portable spectroradiometer to explore for cassiterite and REE in Jos.



##### **Alteration mapping for cassiterite and REE using the Spcetroradiometer equipment in Rayfield Jos, Plateau State**

#### 5. SOKOTO PHOSPHATE EXPLORATION PROJECT

Phosphate is an industrial mineral which recently experienced a rise in its value. In the spirit of wealth creation for the nation, the Agency deemed it fit to carry out a proper investigation on how to exploit the phosphate deposits within Sokoto state. The objectives of the project are to carry out geological mapping, tectonic and structural geological studies, photo geology and remotely sensed data acquisition and analysis, as well as laboratory studies to study the different rock types in the project area for phosphate exploration. This will then be accompanied by massive drilling to determine the size of resource.

At the end of 2018, the project was able to delineate areas of phosphate mineralization with the production of map of Phosphate locations within the Basin.

In 2019, the project was able to drill 1300m using both the diamond core and the RC methods over 18 wells. All samples have been analyzed in MS laboratories Australia with encouraging results.



**Phosphatic Nodules from a pit at Salame Recording first head pan of Shale with Phosphate nodule at Balakuzu area**



**NGSA 'HYDX-5A Phosphate' multipurpose drilling Rig in a core drilling campaign for Phosphate resources at Tungan Kwanji, Gwadabawa L.G.A. Sokoto State, North West Nigeria, May 2019**





RC Drilling for phosphate resource within the Sokoto Basin using the Multipurpose Comacchio Geo 602 Explorer complete with Riffle Splitter



Drilled samples sorting and Documentation in NGS store for laboratory Analysis



## ECONOMIC GEOLOGY PROJECTS

Economic geology projects are carried out primarily for the assessment of specific economic minerals within a specified region or environment. The economic minerals and their locations of assessment are itemized below.

### 6. ASSESSMENT OF GOLD IN UKE AND ENVIRONS, NASARAWA STATE

The assessment of Gold within the aforementioned area is still ongoing. The assessment involves pitting, trenching and limited exploratory drilling already executed. The laboratory analysis, data processing and interpretation are ongoing. The preliminary report of the assessment is ready.



## 7. ASSESSMENT OF RARE EARTHS IN KATSINA-ALA AND OTHER AREAS, BENUE STATE

The assessment of Rare Earths within the aforementioned area is still ongoing. Exploration works for rare earths have reached an advanced stage. The preliminary report is ready. The plan to carry out trenching with excavators is underway. Analytical results from these operations will subsequently be used to determine drilling locations. The deliverables from the assessment so far are as follows:

1. Elemental concentration map of Katsina-Ala Sheet showing light and heavy REE
2. Results of Laboratory Analysis
3. Technical report containing information on size of resource

## 8. ASSESSMENT OF COPPER AROUND AZARA/AKIRI

The project is intended to assess the level of copper mineralization and mining in the area aimed at carrying further exploration to determine extent and quality of the ore. The assessment was done in Azara-Akiri Wuse part of middle Benue Trough, occupying the north eastern limb of the Keana Anticlinorium of the middle Benue Valley. Copper ores occurs as a discordant-fracture controlled veins within the lower Cretaceous sandstone/shales of the Asu River Group. Major copper ore in the area is the chalcopyrite with associated azurite and malachite buried at depth of 20m.



**Copper ore (green- Malachite) from Akiri outcrop of Keana sandstone and shale layers near Wuse, Azara Nasarawa State.**



## 10.2 NATIONAL INTEGRATED MINERAL EXPLORATION PROJECT (NIMEP) UNDER THE NATIONAL RESOURCE FUND (NRF)

### Background

The Ministry of Mines and Steel Development has awarded a robust mineral exploration project, tagged 'National Integrated Mineral Exploration Project' (NIMEP) to five competent companies and three technical consultants for the exploration of gold, PGM, nickel, chromium, cobalt, rare earth minerals, lead zinc, silver, copper, barite and iron ore resources in Nigeria.

The objectives of the projects are to generate integrated Geosciences information in Greenfield and Brownfield prospects through a very robust exploration/evaluation (remote sensing, Geological mapping, Geochemical sampling, Geophysical measurement, in situ and laboratory analysis of samples and drilling). The outcome of this ambitious exploration is expected to spur the desired investment into the sector and generate foreign exchange, substitute for import and develop local industries, generate employment, and create wealth along the mineral value chain.

### Progress:

The project has accomplished phase 2 stage of exploration with various level of successes. AG Vision has dug and logged a total of 19,306 pits, collected ground magnetic data over 8,577-line km and acquire several line km of ground EM data in Zamfara and Birnin Gwari areas for gold exploration. The company analyzed 28,868 samples using XRF has submitted 20,323 samples to MS Analytical lab in Vancouver out of which 18,072 samples has so far been analyzed. The company plan to trench and drill 1000 and 3000m respectively.

Juggernaut Industries Limited has has made 3 new discoveries on lead zinc and silver in Gimibi and zurak areas of Plateau State and Aboni in Nasarawa State. The company has developed a good model for rapidly detecting soil anomalies at low cost using 50 by 200m pXRF sampling grid. The model led to quick discovery of 21 additional targets out of which four (4) were prioritized for follow up.

Dapmat and Mecon Engineering Ltd have made tremendous successes on barite exploration in the Benue trough where their initial laboratory test results revealed positive potentials of baryte resource in the project area with concentrates ranging between 60.83 and 93.52%.

On iron ore exploration, the NSRMEA have identified more than 20 new deposits of iron ore in north central and north east Nigeria. NSRMEA have drilled 900m in Tajimi and

Gidan Buzu areas of Yobe State and have mobilized their Rigs to Nasco and Takum in Niger and Adamawa States respectively.

### 10.3 NIGERIAN GEOHAZARD MANAGEMENT CENTER (NGMC) PROJECTS

NGMC projects are carried out basically for the monitoring of geological phenomenon that could cause natural hazards. Consequently, strategies of avoidance of such hazards are proposed. In the case of unavoidable hazards, methods of mitigations are proposed. The NGMC projects that were carried out are itemized below.

#### 9. GULLY EROSION STUDY IN KWARA STATE, NIGERIA

Erosion is a natural Geological process which tends to reduce the land surface to equilibrium. It has a destructive environmental impact all over Nigeria. The NGMC carried out a study of Gully erosion in Kwara State with the following objectives in mind:

- To generate data base on all Gullies in the State.
- Identification of areas prone to gully erosions.
- Appraise the existing combat measures against best practices
- Study the Geotechnical properties of soil and application in engineering designs and control.
- Proffer “Best Management Practices” that will combat current challenges and prevent future erosion problems.

After the study was concluded, the following deductions were made:

- Fifty-five (55) gullies were mapped and classified as very active, active and dormant, based on their geometry and activity.
- The estimate of land loss due to gully erosion in Kwara State stood at about 2,209km<sup>2</sup> representing 6.0% of the total land area of the state.
- The gullies are preferentially located at the extremities of the first order tributaries of the three (3) major drainage basins of the state i.e. – the Niger, Oshin and the Teshi Rivers Systems.

#### 10. MAPPING OF OPEN CAST MINING PITS HAZARDS IN EBONYI STATE, NIGERIA

Open cast mining activities remain the most devastating environmental phenomenon in Ebonyi State, Nigeria, resulting in land and water degradations and exposes the habitat (flora and fauna) to toxic minerals such as Lead, Cadmium, Arsenic.

The aim and objectives of the project are to identify all the open cast pits and study the soil and rocks associated with them with a view to access the socio-economic impacts on the people and environment.

**Project outcome:**

- Thirty-eight (38) open cast mine pits were mapped and classified as very active, active and dormant based on their geometry and activity.
- Lead/Zinc and Limestone are the main commodity of choice for which these pits were opened up.
- Within these pits, mass movements, rock falls, toppling failure and slumping were observed.
- These processes together with the pits have resulted in the loss and devastation of a large tract of land 276.65km representing about 5% of the total land surface of the state.
- As at the time of this report, laboratory analysis of water and soil samples are still being awaited to know the extent or otherwise of heavy mineral pollution to the environment.

## GEOPHYSICS PROJECTS

The mineral assessments carried out by economic geologists are not detailed in terms of depth. However, geophysical methods possess the tools to see deeper into the ground thereby giving insights into the depths of burial of mineral deposits and therefore, a veritable tool for planning exploratory drilling. The geophysics projects that were carried out are itemized below.

### 11. GRAVITY NETWORK SURVEY OF ONDO STATE (JANUARY, 2019)

National Gravity Network Survey of Ondo State was carried out in continuation of the ground gravity data being generated for the entire country. The objective is to generate gravity database of the states, produce Free air anomaly, Bouguer anomaly and elevation maps of the State. These map products show classification of rocks based on their densities and are very useful in delineating massively occurring industrial minerals like kaolin, marble, talc and barite.

At the end of the project, the following milestones were achieved:

- 62 gravity base stations were established
- 1,085 data points were generated within 5 half Degree Sheet maps covering an area of 60,000 sq.m

- 5 Bouguer and Free Air anomaly maps of Ondo state that shows classification of rocks and structures based on their density which could be related to mineral commodities were produced.

### Ondo State Gravity Survey Pictures



**Establishment of Gravity Base Station at Ode Irele Post Office, Irele LG and Agbabu village, Odeya LGA areas of Ondo State.**

### 12. GRAVITY NETWORK SURVEY OF PARTS OF KWARA STATE (OCTOBER/NOVEMBER, 2019)

National Gravity Network Survey of Parts of Kwara State was carried out in continuation of the ground gravity data being generated for the entire country. The objective is to generate gravity database of the states, produce Free Air anomaly, Bouguer anomaly and Elevation Maps of the State. It is also aimed at densifying existing gravity network.

32 gravity base stations have been established so far.

500 gravity base stations are expected to be established at the end of the project.

458 data points have been generated so far.

About 20 Bouguer anomaly and 20 Free Air anomaly maps expected to be produced at the end of the project.





**NGSA Geophysicist acquiring Gravity data for structural mapping and industrial mineral exploration (Kaolin, talc and marble) along Ilorin-Share Road**



**NGSA Geophysicist acquiring Gravity data for structural mapping and industrial mineral exploration (Kaolin, talc and marble) along Ilorin-Share Road**

### 13. GEOPHYSICAL INVESTIGATION FOR GROUNDWATER IN UMUMBO VILLAGE, ANAMBRA STATE

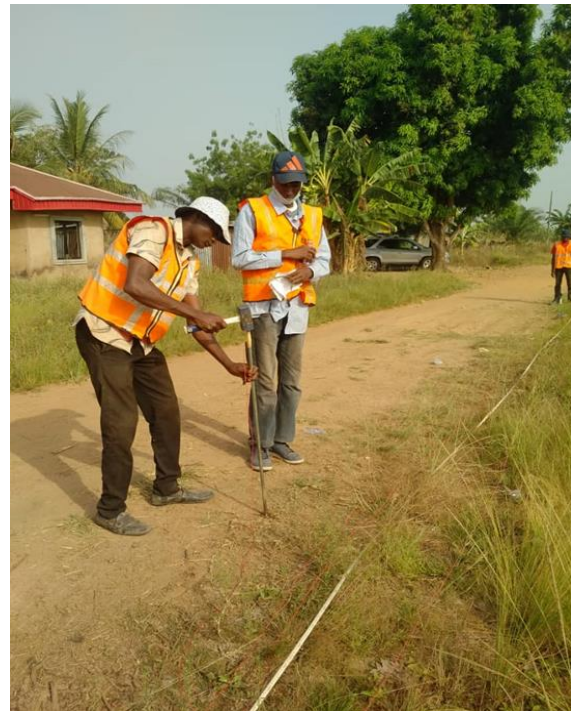
Provision of portable water for both Urban and Rural Dwellers is the responsibility of a government to her citizens. Portable drinking water is one of the essential amenities that should always be provided for sustainable development. A team of Geophysicists and



Auxiliary staff of the Agency carried out electrical survey to determine suitable places to be drilled for ground water exploitation.

At the end of the fieldwork, the following milestones were reached:

- Ideal aquifer locations to drill boreholes for the provision of portable water will be recommended.
- The interpretation is in progress.
- The result of the interpretation will give the depth to the water table and the borehole yield.



**Vertical Electrical Sounding (VES) measurement to determine bore hole location**

#### **10.4 NATIONAL GEOSCIENCES RESEARCH LABORATORY (NGRL) PROJECTS**

##### **14. TRAINING ON MODERN TECHNIQUES IN SAMPLE PREPARATION FOR GEOCHEMICAL AND MINERALOGICAL ANALYSIS**

The training was collaboration between ABU Zaria geology department and NGRL. 41 NGRL Staff were trained in sample preparation for geochemical and mineralogical analysis. They were fully motivated and also learnt integrated sample preparation techniques. Consequently, the productivity of the staff was enhanced and the revenue generation to TSA was gradually being improved.

#### 15. QUALITY MANAGEMENT SYSTEM (QMSs) IMPLEMENTATION COURSE

The course is collaboration between SON and NGRL. 18 NGRL personnel were enrolled in the stage 1 of QMS. Consequently, 18 certified NGRL staff in stage of QMS has now been produced. Other milestones achieved due to the training are as follows:

- QMS implementation in progress
- Several documents regarding QMS are produced by the trained staff
- A 32-page NGRL analytical guidebook also produced

#### 16. TRAINING ON GEOCHEMICAL ANALYSIS AND GEO-DATA INTERPRETATION

The training is collaboration between the Geology and Chemistry Departments of ABU Zaria and NGRL. 49 NGRL staff were trained on geochemical analysis and data interpretation. Consequently, the trained staff was well motivated and highly skilled. Ultimately, the revenue generation to TSA was greatly improved.

### 10.5 NATIONAL GEOSCIENCES INFORMATION CENTER (NGIC) PROJECTS

#### 17. REVIEW, DEGITIZATION AND REMODELLING OF HISTORICAL CORE SAMPLES

This project was aimed at reviewing, restructuring and modeling the core samples and data from Niger delta and Dahomey basins of Nigeria.

The project was done so as to electronically compile geoscientific data on the core samples to make geoscientific information of the country easily accessible to all geoscientists.

Project Outcome:

#### 18. DATA ARCHIVING

Digital Ortho-Rectifications and Archives of the Aerial Photographs (panchromatic-analogue) were used as Geological Exploration Tools for the North-West and South-West, Nigeria.

Consequently, the digitization of documents and the imperative for preservation to ease conversion of aerial photograph in the photo geology section of NGSA to a standard image data required and accessible to geoscientist was achieved.

#### 19. ESTABLISHMENT OF NGSA MUSEUM IN ABUJA

The geological museums and collections are a great national asset that contributes to culture, research, scientific education and public engagement in a number of important

ways. It also forms an intrinsic part of research carried out in the past. They play a key role as a source of evidence in exploring for natural resources.

It is in line with this that the Agency decided to establish a museum for the archiving of scientific breakthroughs and geological heritage in the history of the country in Abuja.

This museum will display collections of rocks and minerals with locations and descriptions that will give visitors and other stakeholder's good information of the natural resources of the country which can also be of useful guide to the investors.

The museum has already been completed, and it is expected to immensely contribute to scientific advancement and cultural understanding of our planet for researchers, students and the general public.

## 20. BILATERAL COOPERATION

The Agency is collaborating with various institutions both locally and internationally with a view to adding value to the activities of the Nigerian Geological Survey Agency. Some of these institutions include:

S/N	COUNTRY	MOU DURATION	SCOPE OF COOPERATION	STATUS	ACTIVITY	REMARKS
1	CHINA	5years (Renewable)	Technical cooperation in geosciences, mining and environment	Signed and fully operational	Capacity building	Ongoing
2	South Africa	2years (Renewable)	Technical cooperation in geosciences, mining and environment	Signed and fully operational	Capacity building	Ongoing
3	Morocco	3years (Renewable)	Technical cooperation in geosciences, mining and environment	Signed and fully operational	Capacity building	Ongoing
4	Poland	5 years	Research and development on basic geology, staff exchanges, joint mapping/exploration activities. Geochemical mapping project etc	Awaiting signature and but operational		Ongoing

**Others are:**

- British Geological Survey
- United States Geological Survey
- Council of Geosciences of South Africa
- Organization of African Geological Surveys
- Commonwealth Geological Surveys Forum
- International Union of Geological Sciences
- International Atomic Energy Agency (IAEA)  
Capacity building in areas of Geochemical Mapping with China  
Geological Survey



Soil sampling during an exploration program with officials of East China Mining Institute in Zurak, Plateau State

**21. MINERAL PROMOTION ACTIVITIES (LOCAL AND INTERNATIONAL)**

As part of the efforts of the government to diversify the economy of the country, NGSA has been promoting its activities aimed at developing the mineral resources of Nigeria. These promotional activities include:

- Trade fairs (exhibitions, road shows, etc.)
- Conferences (Mining Indaba, Cape Town, South Africa; Africa Down under Conference, Perth, Australia; Mines and Money, London, United Kingdom; Prospectors and Developers Association of Canada (PDAC), Toronto, Canada, Nigeria Mining and Geosciences Society (NMGS) Annual International Conference and Exhibition, Nigeria)

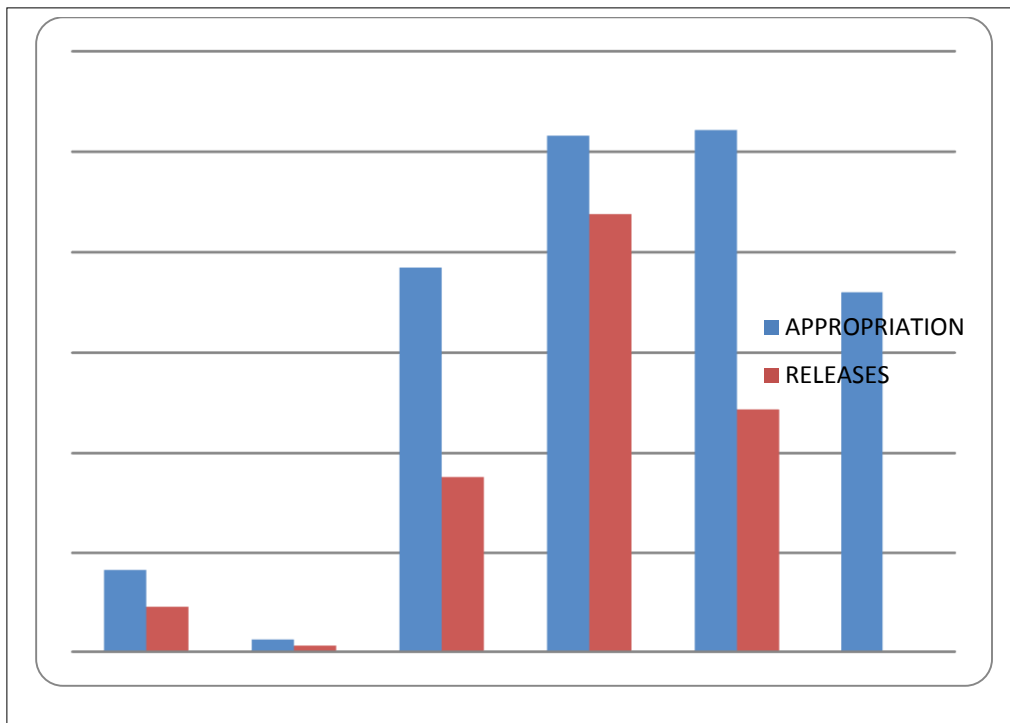
**22. FINANCES**

**NGSA CAPITAL BUDGET**

<b>NIGERIAN GEOLOGICAL SURVEY AGENCY</b>		
<b>YEAR 2014 - 2019 CAPITAL BUDGET PERFORMANCE SUMMARY</b>		
<b>YEAR</b>	<b>APPROPRIATION</b>	<b>RELEASES</b>
<b>2014</b>	413,734,695.00	227,127,033.00
<b>2015</b>	62,000,000.00	31,000,000.00
<b>2016</b>	1,923,606,606.60	881,446,921.00
<b>2017</b>	2,579,931,000.00	2,189,965,500.00
<b>2018</b>	2,607,931,000.00	1,217,903,777.00
<b>2019</b>	1,800,797,143	900,398,571.50

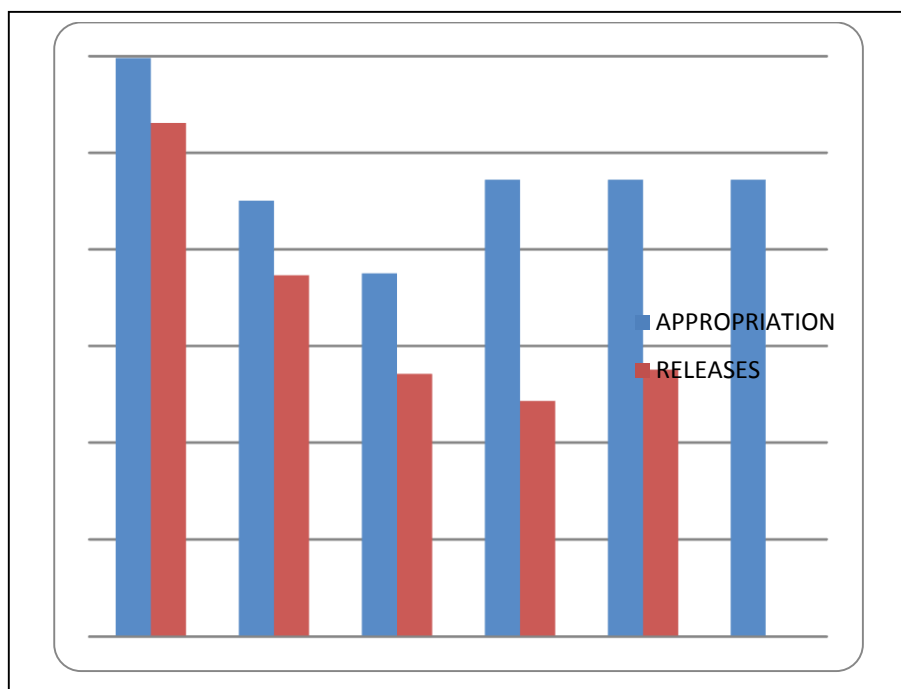
**NGSA OVERHEADS BUDGET**

<b>NIGERIAN GEOLOGICAL SURVEY AGENCY</b>		
<b>YEAR 2014 - 2019 OVERHEADS PERFORMANCE SUMMARY</b>		
<b>YEAR</b>	<b>APPROPRIATION</b>	<b>RELEASES</b>



## 2019 ANNUAL REPORT

2014	299,078,351.00	265,448,536.00
2015	225,201,745.00	186,584,468.56
2016	187,596,458.00	135,567,252.57
2017	236,115,751.00	121,561,090.64
2018	236,115,751.00	137,734,176.42
2019	236,115,751.00	137,734,167.69





### 23. IMPACT OF NGSА ACTIVITIES

Generally, the impacts of the Agency's activities have led to the following outcomes;

- i) Increase in the number of mining investors in Nigeria as a result of improved quality and access to geosciences data
- ii) Improvement in the investment competitiveness of Nigeria within African continent
- iii) Increase in the availability of raw materials for local industries e.g. barytes, kaolin, limestone e.t.c.
- iv) Increase in the contribution of the solid minerals sector to employment and consequently to the GDP

Specifically, the Agency's mineral exploration and assessment programs have provided the basis for the start-up of a number of companies which are at various stages of development. The attendant benefits of such start-ups to the nation's economy include employment generation, poverty reduction, and infrastructural development (through community development agreements (CDAs) between host communities and the companies.

The Agency has also procured Hand-held XRF for rapid analysis of samples. This equipment is very useful during exploration as it allows for on-the-spot analysis to serve as a guide in the field.

### 24. OUTLOOK FOR 2020 - 2030

The NGSА is currently developing a ten-year roadmap for short, medium and long-term development plans that will culminate in an effective well-structured organization working with highly skilled and equipped staff.

The thematic areas of focus on the road map are:

- Skill Development
- Reorganization to involved computerization of system
- Enhanced Geological and Geochemical mapping
- Evaluation programmes

The Agency future-outlook:

- Completion of the NIMEP Project and Evaluation of the data generated
- Completion of the phase 1 evaluation of the phosphate project in Sokoto Basin
- Geological /geochemical mapping



- Reviving the consultancy services for increased revenue generation
- Geochronology and Age dating of Nigerian rocks and Minerals
- Geosciences Data Generation in the Bitumen Block to derisk the blocks
- Publication of Bulletins, Occasional Papers and Records
- Procurement, installation of equipment and commencement of certification at NGRL Kaduna