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ABBREVIATIONS & ACRONYMS

| | | |
|---------------|---|---|
| <i>AfDB</i> | - | African Development Bank |
| <i>BADEA</i> | - | Arab Bank for Economic Development in Africa |
| <i>BMU</i> | - | Bridge Maintenance Unit |
| <i>CAGD</i> | - | Controller & Accountant General's Department |
| <i>CATB</i> | - | Central Advisory Tender Board |
| <i>DANIDA</i> | - | Danish International Development Agency |
| <i>DFR</i> | - | Department of Feeder Roads |
| <i>DLP</i> | - | Defects Liability Period |
| <i>DTF</i> | - | Dutch Trust Fund |
| <i>DUR</i> | - | Department of Urban Roads |
| <i>EIA</i> | - | <i>Environmental Impact Analysis</i> |
| <i>ESIP</i> | - | <i>Environmental & Social Mitigation Plan</i> |
| <i>EU</i> | - | European Union |
| <i>GHA</i> | - | Ghana Highway Authority |
| <i>GCAA</i> | - | Ghana Civil Aviation Authority |
| <i>GIFMIS</i> | - | Ghana Integrated Financial Management Information Systems |
| <i>GOG</i> | - | Government of Ghana |
| <i>GSGDA</i> | - | Ghana Shared Growth & Development Agenda |
| <i>IPC</i> | - | Interim Payment Certificate |
| <i>IGF</i> | - | Internally Generated Fund |
| <i>JBIC</i> | - | Japan Bank for International Co-operation |
| <i>JICA</i> | - | Japan International Co-operation Agency |
| <i>KfW</i> | - | Kreditanstalt für Wiederaufbau |
| <i>MMU</i> | - | Mobile Maintenance Unit |
| <i>MOF</i> | - | Ministry of Finance |
| <i>MOT</i> | - | Ministry of Transport |
| <i>NITA</i> | - | National Information Technology Agency |
| <i>OECE</i> | - | Overseas Economic Cooperation Fund |
| <i>PAP</i> | - | Project Affected Persons |
| <i>RAP</i> | - | Resettlement Action Plan |
| <i>RCS</i> | - | Road Condition Survey |
| <i>RPF</i> | - | Resettlement Policy Framework |
| <i>SIA</i> | - | <i>Social Impact Assessment</i> |
| <i>SMEC</i> | - | Snowy Mountains Engineering Corporation |
| <i>TSDP</i> | - | Transport Sector Development Programme |

WATTFP - West Africa Transport and Trade Facilitation Project

APPENDICES

Appendix A ***GHA Organisational Structure***
Appendix B ***Status Report for Development Projects March 2018***
Appendix C ***Status Report for Consultancy Services March 2018***

EXECUTIVE SUMMARY

The Ghana Highway Authority (GHA) under the Ministry of Roads and Highways (MRH) is charged by Act 540 with the responsibility for the planning, development, management, maintenance of the trunk road network in Ghana. Ghana's trunk road network is about 15,360km this includes roads under construction and missing links.

It is important to note that infrastructure is the pivot for national development and Ghana Highway Authority (GHA) plays a critical role in the provision of road infrastructure. This role is clearly stated in our vision statement of "Being a world-class provider of safe road infrastructure" and a mission statement of:

"Providing Road Infrastructure Engineering and Management Services: project appraisal, feasibility studies and detailed design; contract preparation and administration; maintenance and operation; civil engineering materials prospecting and testing for roads, bridges and road safety facilities at best value – least cost to support the socio-economic development of Ghana and beyond".

Conditions of Ghana Highway Authority's Road Network as at End of Year 2016

A total of 14,582.62km of Paved and Gravel roads, which forms 94.9% of the total trunk roads network, were surveyed and classified into Good, Fair and Poor conditions in the year 2016. Roads under construction and missing links were not surveyed. The overall condition mix as at the end of year 2016 is shown in table 1 below. The condition mix as at the end of year 2017 will be reported in the year 2018 2nd Quarter Report

Table 1: 2016 Road Surface Condition Mix (National)

| Condition Description | Length (km) | Percentage (%) |
|-----------------------|------------------|----------------|
| GOOD | 8,171.9 | 56 |
| FAIR | 5,428.62 | 37 |
| POOR | 982.1 | 7 |
| TOTAL | 14,582.62 | 100 |

It is hoped that GHA will be able to attain the national target of road condition mix of 70% Good, 20% Fair and 10% Poor in the foreseeable future.

Staff Strength

The staff strength of GHA as at 31st March 2018 is 1,275 against an established strength of 2,526. This comprises 636 being Senior Staff representing 47.9% and 639 being 50.1% of Junior Staff.

Human resource is our most important resource and we aim to carry our core duties with a GHA workforce that is highly professional. Should this trend continue without any implementation of the GHA replacement plan, the staff will reduce so drastically that the Authority may not be able to meet its strategic objectives in the foreseeable future. This is a

very serious issue considering that the Authority needs technical staff in all sectors of its operations.

Approved Budget for Year 2018

Under the 2018 National budget, one of the major focus is strategic infrastructure. To this end the Government of Ghana under the Ministry of Roads and Highways was allocated GH¢ 532.69m representing about 8% of the capital expenditure budget of the country.

An amount of GH¢ 242,280,229.00 has been allocated to GHA from the MRH budget and this constitutes of Compensation for Employees, Goods & Services and Investment in infrastructure.

GHA has planned for the construction with this budgetary allocation for the following activities:

- Construction 56km of trunk roads,
- Bridge on the Volta River at Volivo Nsawam Apedwa
- Kwafokrom Apedwa
- Tamale Yendi
- Bolga-Bawku
- Nkwanta Oti Damango
- Berekum Seikwa
- Enchi Dadieso

CHAPTER ONE

1.0 INTRODUCTION

1.1 Establishment

The GHA was established by NRC Decree 298 of December 1974. The decree has been superseded by Act 540 of December 1997, to reflect changes, which have occurred in the road sub-sector over the years. GHA is charged by Act 540 with the responsibility of the administration, development and maintenance of **trunk roads** and related facilities in the country.

1.2 Mission Statement

“Providing Road Infrastructure Engineering and Management Services: project appraisal, feasibility studies and detailed design; contract preparation and administration; maintenance and operation; civil engineering materials prospecting and testing for roads, bridges and road safety facilities at best value – least cost to support the socio-economic development of Ghana and beyond”.

1.3 Policy Objectives

To accelerate the realization of the Mission Statement, the Authority has devised the following objectives :

- **Improving Road Condition:** To ensure the provision, expansion, and maintenance of Trunk Road Transport Infrastructure by increasing the proportion of the trunk road network and roads in District Capitals in good condition.
- **Reducing Accident Fatalities:** To work with the National Road Safety Commission and other stakeholders to reduce accident fatalities on the trunk road network.
- **Reducing Travel Time:** To ensure the provision of affordable, safe and accessible transport system by dualisation of heavily trafficked Trunk Road Sections.
- **Environmental and Social Mitigation Measures:** To mitigate the impact of the road development and maintenance program on the environment and people.
- **Improving Quality of Systems Delivery:** To assist MRH and other Ministries, Departments & Agencies (MDA's) to develop and strengthen the appropriate legal, institutional and regulatory framework and regulate all modes of transport to ensure an efficient transport system that will promote quality delivery of services.
- **Administration & Human Resources:** To recruit, train and adequately motivate staff and provide the needed logistics to undertake the services.

1.4 Governing Body

A 10-member Board of Directors governs the Authority as shown in table 2.

Table 2: GHA Board Members

| | Names | Position | Organisation |
|----|------------------------------------|----------------|---------------------------------------|
| 1 | Dr. Francis Achampong | Board Chairman | President's Nominee |
| 2 | Mrs. Mangowa Ghanney | Member | Ministry of Finance |
| 3 | Mr. Godwin Joseph Brocke | Member | MRH |
| 4 | Mr. Felix Aboagye | Member | Road User's Association |
| 5 | Mr. Ernest Arthur | Member | GHA |
| 6 | Mr. Benjamin Ewusi Darbah | Member | Private Road Transport Unions |
| 7 | Ing. Sir Fredrick Kwabena Akwaboah | Member | Ghana Association of Consultants |
| 8 | Mr. Senyo Kwasi Hosi | Member | Private Enterprise Federation |
| 9 | Mrs. Adelaide Anno-Kumi | Member | Ministry of the Interior |
| 10 | Mr. Ben Asomani | Member | Ministry of Env. Science & Technology |

1.5 The Directorate

The Authority has a Managing Director, designated as Chief Executive. Under him, there are three (3) Deputy Chief Executives: the Deputy Chief Executive (Administration); the Deputy Chief Executive (Development); and the Deputy Chief Executive (Maintenance).

1.6 Departments, Divisions and Regions/Road Area Offices

Under the three Departments, there are seventeen Divisions in the Head Office, each of which is headed by a Director and ten Regional Offices headed by Regional Highway Directors. The GHA also has twenty eight Road Area Offices nation-wide. The Internal Audit and Legal Divisions, though directly responsible to the Chief Executive, are under the Administration Department for management purposes.

The Organisational Chart of the GHA is attached (Appendix A).

Road Network Condition 2010-2016

The 2016 road condition report makes comparison with those of 2010 - 2016. The length of roads in good condition increased from 3,865km (29%) in 2010 to 8,171.92 (56%) in 2016. This trend predicts a linear pattern of annual increase of 4.7%. It is hoped that GHA will be able to sustain this positive trend to attain the national target of road condition mix of 70% Good, 20% Fair and 10% Poor.

Table 3: Comparison of the Surveyed Road Surface Network Condition 2010-2016

| YEAR | GOOD | | FAIR | | POOR | | TOTAL |
|------|-------------|------|-------------|------|-------------|-----|-------------|
| | Length (km) | (%) | Length (km) | (%) | Length (km) | (%) | Length (km) |
| 2010 | 3,865 | 29 | 5,841 | 44 | 3,556 | 27 | 13,262 |
| 2011 | 4,566 | 34 | 3,758 | 28 | 5,019 | 38 | 13,343 |
| 2012 | 6,184 | 46 | 4,412 | 33 | 2,882 | 21 | 13,478 |
| 2013 | 6,490.10 | 52 | 4,271.40 | 34 | 1,776.50 | 14 | 12,538 |
| 2014 | 7,128.53 | 52 | 5,452.09 | 39 | 1,256.80 | 9 | 13,837 |
| 2015 | 7,618.5 | 56.8 | 4,838.40 | 36.1 | 960 | 7.2 | 13,416.9 |
| 2016 | 8,171.92 | 56.0 | 5,428.6 | 37.2 | 982.1 | 6.7 | 14,582.62 |

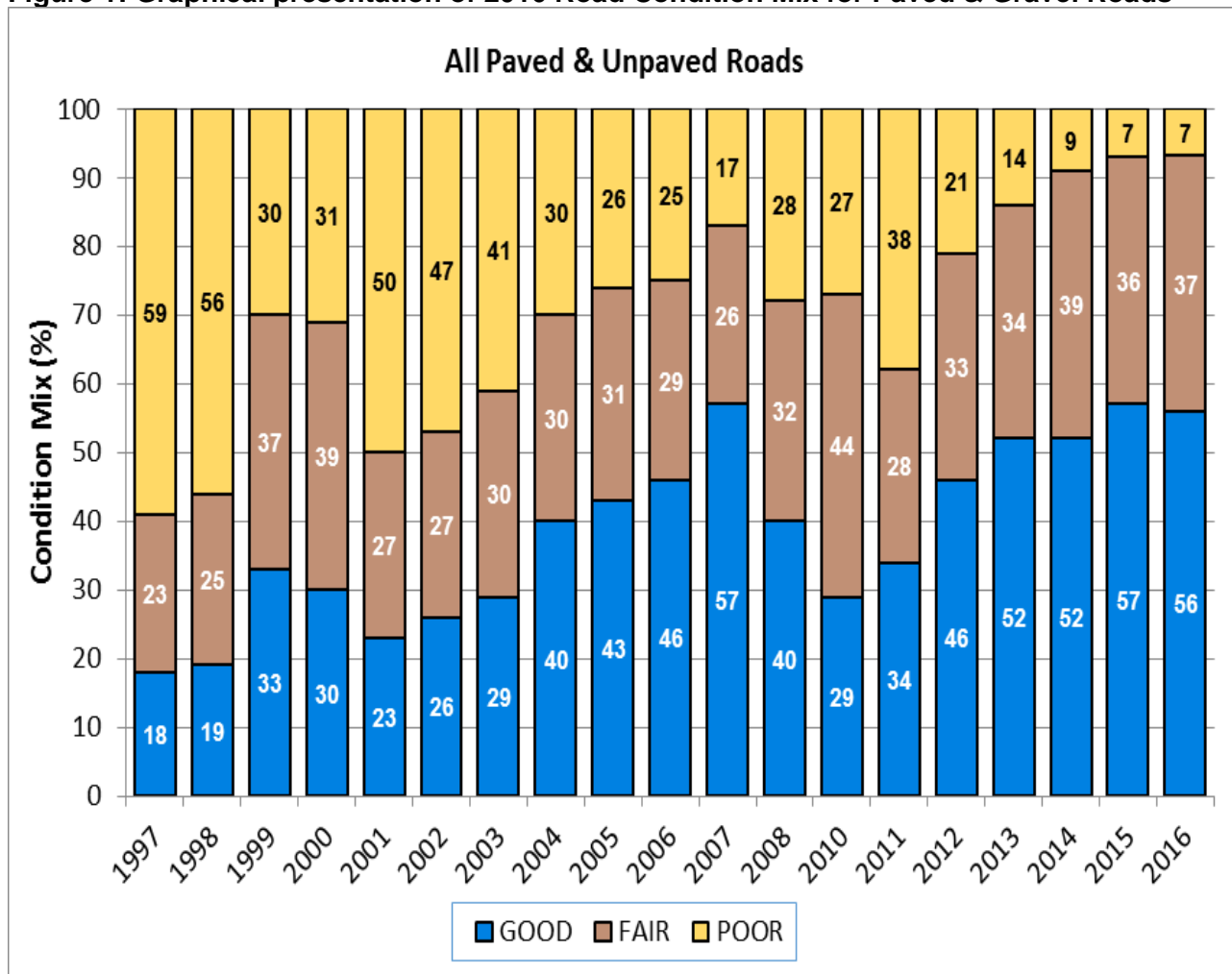
Source: GHA Road Maintenance Division

Table 4: Condition Mix of Paved & Unpaved Road Network Condition from 1997 to 2016

| YEAR | GOOD | | FAIR | | POOR | | TOTAL | |
|------|----------|----|----------|----|---------|----|-----------|-----|
| | Km | % | Km | % | Km | % | Km | % |
| 1997 | 2,512.0 | 18 | 3,210.0 | 23 | 8,233.0 | 59 | 13,955.0 | 100 |
| 1998 | 2,566.0 | 19 | 3,377.0 | 25 | 7,564.0 | 56 | 13,507.0 | 100 |
| 1999 | 4,433.0 | 33 | 4,970.0 | 37 | 4,030.0 | 30 | 13,433.0 | 100 |
| 2000 | 3,381.0 | 30 | 4,293.0 | 39 | 3,448.0 | 31 | 11,121.0 | 100 |
| 2001 | 2,726.0 | 23 | 3,152.0 | 27 | 5,984.0 | 50 | 11,850.0 | 100 |
| 2002 | 3,089.0 | 26 | 3,244.0 | 27 | 5,639.0 | 47 | 11,972.0 | 100 |
| 2003 | 3,272.0 | 29 | 3,316.0 | 30 | 4,540.0 | 41 | 11,128.0 | 100 |
| 2004 | 4,410.0 | 40 | 3,294.0 | 30 | 3,250.0 | 30 | 10,942.0 | 100 |
| 2005 | 4,739.0 | 42 | 3,510.0 | 31 | 2,928.0 | 26 | 11,177.0 | 100 |
| 2006 | 5,402.0 | 46 | 3,397.0 | 29 | 2,924.0 | 25 | 11,723.0 | 100 |
| 2007 | 6,342.0 | 57 | 2,970.0 | 27 | 1,868.0 | 17 | 11,180.0 | 100 |
| 2008 | 4,696.0 | 40 | 3,771.0 | 32 | 3,150.0 | 27 | 11,618.0 | 100 |
| 2010 | 3,865.0 | 29 | 5,841.0 | 44 | 3,556.0 | 27 | 13,263.0 | 100 |
| 2011 | 4,567.0 | 34 | 3,758.0 | 28 | 5,019.0 | 38 | 13,344.0 | 100 |
| 2012 | 6,183.5 | 46 | 4,411.8 | 33 | 2,881.9 | 21 | 13,477.0 | 100 |
| 2013 | 6,490.0 | 52 | 4,271.0 | 34 | 1,777.0 | 14 | 12,538.0 | 100 |
| 2014 | 7,492.33 | 52 | 5,643.59 | 39 | 1,262.8 | 9 | 14,398.72 | 100 |
| 2015 | 7,618.5 | 57 | 4,838.4 | 36 | 960.0 | 7 | 13,416.9 | 100 |
| 2016 | 8,171.92 | 56 | 5,428.6 | 37 | 982.1 | 7 | 14,582.62 | 100 |

Source: GHA Road Maintenance Division

Figure 1: Graphical presentation of 2016 Road Condition Mix for Paved & Gravel Roads



Source: GHA Road Maintenance Division

Functional Classification of Roads

Trunk Roads in Ghana are functionally classified as either National (N), Inter Regional (IR) or Regional (R) roads as shown in table 5 and Table 6 lists and defines the National roads and the various major cities, towns and regions that the national roads traverse.

Table 5: Functional Classification of Trunk Roads

| ROAD CLASS | ASR | BAR | CR | ER | GAR | NR | UER | UWR | VR | WR | TOTAL (KM) | % |
|-------------------|----------------|----------------|----------------|----------------|--------------|----------------|--------------|----------------|----------------|----------------|-----------------|------------|
| N | 434.9 | 560.5 | 326.9 | 334.6 | 259.5 | 1,003.6 | 287.5 | 396.8 | 418.4 | 442.9 | 4,465.6 | 31 |
| IR | 334.2 | 530.7 | 199.7 | 369.5 | 0.0 | 460.3 | 61.4 | 82.9 | 33.7 | 304.6 | 2,377.0 | 16 |
| R | 826.0 | 938.3 | 670.2 | 833.8 | 199.7 | 1,472.4 | 238.6 | 535.3 | 963.6 | 953.8 | 7,631.7 | 53 |
| TOTAL (KM) | 1,595.1 | 2,029.5 | 1,196.8 | 1,537.9 | 459.2 | 2,936.3 | 587.5 | 1,015.0 | 1,415.7 | 1,701.3 | 14,474.3 | 100 |

Source: GHA Road Maintenance Division

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Table 6: National Roads

| Route No | Name | Major Towns Roads Traverse | Regions that the Roads Traverse |
|----------|---------------------------|---|---|
| N1 | Trans West Africa Highway | Aflao, Accra, Cape Coast | Volta, Greater Accra, Central and |
| | | Takoradi and Elubo | Western Regions |
| N2 | Eastern Corridor | Tema, Hohoe, Jasikan, Nkwanta | Volta, Greater Accra and |
| | | Bimbila, Yendi and Gushiegu-Kulungulu | Northern Regions |
| N3 | | Koforidua, Oterkpolu and Krobo Odumase | Eastern Region |
| N4 | | Accra, Aburi, Mamfe, Koforidua and Bunso | Greater Accra and Eastern Regions |
| N5 | | Asikuma and Ho | Volta Region |
| N6 | Central Corridor | Accra, Suhum, Nkawkaw, Konongo, Kumasi, | Greater Accra, Eastern, Ashanti and Brong Ahafo Regions |
| | | Sunyani, Dormaa Ahenkro and Gonokrom | |
| N7 | | Sawla, Damango and Ffulfulso | Northern Region |
| N8 | | Assin Fosu, Anwiankwanta, Kumasi and Bechem | Central, Ashanti and Brong Ahafo Regions |
| N9 | | Tamale and Pusuga | Northern Region |
| N10 | | Daboasi junction, Atieku, Dunkwa, Kumasi | Western, Central, Ashanti ,Brong Ahafo, Northern and |
| | | Techiman, Kintampo, Tamale Bolga and Paga | Upper East Regions |
| N11 | | Bolga, Bawku and Pulimakom | Upper East Region |
| N12 | Western Corridor | Elubo, Enchi, Juabeso, Goaso, Sunyani | Western, Ashanti, Brong Ahafo |
| | | Wenchi, Bole, Wa, Nadowli and Hamile | Upper West, and Upper East Regions |
| N13 | | Lawra, Han, Tumu and Navrongo | Upper West Region |
| N14 | | Sakpeigu and Yawgu | Northern Region |
| N16 | | Tumu and Kapulima | Upper West Region |
| N18 | | Wa and Han | Upper West Region |

Source: GHA Road Maintenance Division

CHAPTER TWO

2.0 ADMINISTRATION DEPARTMENT

2.1 Finance Division

2.1 .1 Financial Status Report

Details of the Approved Budget Ceilings for the year 2018 and the pattern of releases as at 31st March, 2018 are provided below:

| ITEM DETAILS | <u>Budget Approved</u> <u>GH¢</u> | <u>Amount Released</u> <u>GH¢</u> | <u>% Released</u> |
|-------------------------------|---|---|-------------------|
| 1. Compensation for Employees | 25,675,286.00 | 6,023,653.05 | 23.46 |
| 2. Goods and Services | 585,060.00 | | |
| 3. Investment – GOG: ABFA | 89,842,952.00 | - | - |
| CF | - | - | - |
| Arrears | 968,485,430.00 | 46,400,979.99 | 4.79 |
| 4. Investment - Road Fund | 80,000,000.00 | - | - |
| Arrears | 405,011,353.80 | 65,637,702.05 | 16.21 |
| 5. IGF (including Axle Load) | 15,129,959.00 | 3,058,064.00 | 20.21 |
| 6. Investment - Donor | 126,178,931.00 | 75,538,199.58 | 59.87 |
| 7. Tolls operational budget | 18,370,000.00 | - | - |
| | Arrears as at 31st March, 2018 <u>GH¢</u> | Amount Released <u>GH¢</u> | % |
| Salary Related Allowances | 4,821,000.00 | | |
| Road Arrears: GOG | 1,077,300,569.23 | | |
| Road Fund | 781,460,410.03 | | |

2.1.2 Recurrent Expenditure

Details of the Approved Budget Ceilings for the year 2018 and the pattern of releases as at 31st March 2015 are provided in Table 7.

2.1.3 Expenditure Incurred & Releases

2.1.3.1 Routine Maintenance

An amount of GH¢125,364,510.60 was outstanding for routine maintenance at 31st December, 2017. Contract Certificates raised for work done during the quarter amounted to GH¢75,981,173.51. Payment made by Road Fund Secretariat stood at GH¢15,278,865.67. The outstanding certificates stood at GH¢186,066,818.50 as at 31st March, 2018.

2.1.3.2 Periodic Maintenance & Minor Works

An amount of GH¢472,885,112.56 was outstanding for work done under Periodic Maintenance & Minor Works as at 31st December, 2017. The work done by Contractors during the first quarter of 2018 amounted to GH¢166,295,643.67. Payment to Contractors during the first quarter by Road Fund Secretariat amounted to GH¢43,787,164.70. The total outstanding Certificates as at 31st March, 2018 stood at GH¢595,393,822.90.

2.1.3.3 Development/Capital Projects

An amount of GH¢966,385,837.88 was outstanding as at 31st December, 2017 for GOG Funded Projects. Certificates submitted for work done as at 31st March 2018 amounted to GH¢157,391,816.94. Release made by MOFEP in the first quarter amounted to GH¢46,400,979.99. The total unpaid certificates as at 31st March, 2018 amounted to GH¢1,077,300,569.23

2.1.4 Audited Accounts

The draft Financial Statement for 2016 has been submitted to the External Auditors; Asafu Adjei and Partners.

Table 7: Approved Budget for the Year 2017 & Releases as 31st March 2018

| Expense Item | Budgets GH¢ | | Receipts/Releases GH¢ | | | GH¢ | GH¢ |
|---|----------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------|
| | Approved | Revised | 1 st Quarter | 2 nd Quarter | 3 rd Quarter | 4 th Quarter | Cum. releases |
| Personnel Emoluments | 25,675,286 | | 6,023,653 | | | | 6,023,653 |
| Goods and Services | 585,060 | | - | | | | - |
| | | | | | | | - |
| Total | 26,260,346 | | 5,806,502 | - | - | - | 5,806,502 |
| Development | | | | | | | - |
| - GoG*** | 169,842,952 | | | | | | - |
| - Donor* | 126,178,931 | | 75,538,200 | | | | 75,538,200 |
| Arrears GOG as at 31st Dec 2017 | 968,485,430 | | 46,400,980 | | | | 46,400,980 |
| Total (Development) | 296,021,883 | | 121,939,180 | - | - | - | 121,939,180 |
| Maintenance | | | | | | | - |
| - Periodic (Road Fund)** | 27,881,971 | | 619,050.3 | | | | 619,050 |
| Road Fund Arrears as 31st March 2018 | 781,460,410 | | 65,637,702.1 | | | | 65,637,702 |
| - Routine (Road Fund) | 44,905,745 | | 21,920,866 | | | | 21,920,866 |
| Other Operation Head Office Mtce Di | 7,214,066 | | | | | | |
| Tolls Operation Budget | 18,370,000 | | 5,452,849 | | | | 5,452,849 |
| Internal Generated Fund (Including Axle Load) | 15,129,959 | | 925,835 | | | | 925,835 |
| Total (Maintenance) | 894,962,151 | | 94,556,302 | - | - | - | 94,556,302 |
| Grand Total | 1,217,244,380 | | 222,301,984 | - | - | - | 222,301,984 |

* For List of Donors, please refer to Table: 8

**It includes arrears as at 31st December 2017 please refer to page 18 of the report for details

Source: GHA Finance Division, March' 2018

Table 8: Summary of Funds Released

| | As at 31 st March, 2018 | Cumulative for the Year 2018 |
|---|------------------------------------|------------------------------|
| Recurrent Expenditure: | GH¢ | GH¢ |
| Item 1 – Compensation – Salaries & Wages | 6,023,653.05 | 6,023,653.05 |
| Item 2 – Goods & Services | | |
| Item 3 – Salary Related Allowances | | |
| Item 4 – Investment: | | |
| Routine Maintenance | 21,920,866.38 | 21,920,866.38 |
| Periodic Maintenance & Minor Works | 43,787,164.70 | 43,787,164.70 |
| Consultancy – Road Fund/ Training | | |
| | | |
| Ferries Operation | - | |
| Supervision & Data Collection (Rd Cond. Survey) | - | |
| GHA Units | 1,963,292.08 | 1,963,292.08 |
| Tolls Operation | 4,608,379.60 | 4,608,379.60 |
| Axle Load and weighing Management | 925,834.53 | 925,834.53 |
| Compensation ¹¹ | | |
| | | |
| Capital/Investment | | |
| GOG Release (both current & arrears) | - | |
| | | |
| | \$ | |
| DONOR: EU | 15,572,801.55 | 15,572,801.55 |
| ADB | 0 | 0 |
| TSP | 1,119,196.00 | 1,119,196.00 |
| TSIP | 458,624.46 | 458,624.46 |
| BRAZIL | 0 | 0 |
| WATTFP | 0 | 0 |
| Total Donor Payments in US\$ | 17,150,622.01 | 17,150,622.01 |

Source: GHA Finance Division, March 2018

*Exchange Rate \$ 1 = GH¢4.4044

2.1.7 Revenue from Tolls

2.1.7.1 Road and Bridges Tolls

Total revenue accrued from tolls excluding Ferries as at 31st March, 2018 was GH¢18,065,804.75. This represented 7.42% increase as compared to the amount of GH¢16,817,889.93 collected for the same period as at 31st March, 2017.

The recorded increase of GH¢1,247,914.80 was due to the cash collection exercise at some of the Toll stations as well as other factors including increase in vehicular traffic.

Table 9: Comparative Toll Revenue Performance (Actual and Budget, 2018 & 2017)

| Toll Revenue Type | Budget as at 31 st March, 2018 GH¢ | Actual Collection, as at 31 st March, 2018 GH¢ | Percentage Achieved, as at 31 st March, 2018 % | Actual Collection, As at 31 st March, 2017 GH¢ |
|--|--|---|---|---|
| Revenue from manual toll stations | 12,098,538.00 | 11,162,803.53 | 92.27 | 9,805,746.60 |
| Revenue from Ada Ferry | 31,500.00 | 9,843.90 | 31.25 | 00.00 |
| SUB-TOTAL | 12,126,038.00 | 11,172,647.43 | 92.14 | 9,805,746.60 |
| Revenue from automated toll stations | 6,817,950.00 | 6,903,001.22 | 101.25 | 7,012,143.33 |
| GRAND TOTAL | 18,943,988.00 | 18,075,648.65 | 95.42 | 16,817,889.93 |

Source: GHA Finance Division, March 2018

2.2 Human Resource Division

The Human Resources Division has the responsibility for the key practice areas of **Human Resource Planning & Evaluation, Rewards, Employee relations and motivation** to help achieve the corporate goals of the organisation.

2.2.1 Human Resources Planning & Evaluation

As at 31st March, 2018, staff strength of the Authority stood at **1,275** against an Establishment of 2,526. This comprised 636 being 49.9% Senior Staff and 639 being 50.1% Junior Staff as in the table 10. Table 11 shows the age distribution of staff of all employees.

Table 10: Human Resource Strength – GHA Staff Structure as of 31st March, 2018

| DESCRIPTION OF OCCUPATION | ESTMT | ACTUAL STRENGTH | VACANCY | HQ | GAR | VR | ER | CR | WR | ASH | BAR | NR | UER | UWR | MMU & I&I | BMU | MRH |
|---|-------------|-----------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| TOP EXECUTIVES | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECTORS | 26 | 24 | 2 | 17 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| ENGINEERS (FROM ASSIST. ENGR. TO PRIN. ENGR.) | 172 | 149 | 23 | 78 | 3 | 8 | 8 | 6 | 7 | 6 | 7 | 7 | 4 | 5 | 3 | 4 | 3 |
| OTHER PROFESSIONAL STAFF | 87 | 57 | 30 | 32 | 3 | 3 | 3 | 3 | 1 | 4 | 2 | 2 | 1 | 3 | 0 | 0 | 0 |
| ADMINITVE AND OTHER MANAGERIAL STAFF | 481 | 197 | 284 | 104 | 8 | 7 | 8 | 10 | 6 | 13 | 7 | 6 | 8 | 8 | 7 | 3 | 2 |
| TECHNICIAN ENGINEER STAFF | 175 | 108 | 67 | 48 | 3 | 3 | 5 | 4 | 10 | 4 | 6 | 3 | 7 | 10 | 2 | 3 | |
| TECHNICAL AND SUPERVISORY STAFF (I) | 162 | 79 | 83 | 27 | 4 | 3 | 6 | 7 | 7 | 5 | 6 | 5 | 1 | 2 | 3 | 2 | 1 |
| WORKS SUPERINTENDENTS | 0 | 20 | -20 | 7 | 0 | 1 | 4 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | |
| SENIOR STAFF | 1107 | 636 | 471 | 315 | 22 | 26 | 34 | 33 | 32 | 34 | 29 | 25 | 22 | 28 | 16 | 13 | 7 |
| TECHNICAL AND SUPERVISORY STAFF (II) | 167 | 64 | 103 | 8 | 3 | 5 | 3 | 7 | 6 | 6 | 11 | 7 | 2 | 4 | 2 | 0 | |
| FOREMEN | 0 | 4 | -4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ROAD OVERSEERS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CLERICAL STAFF | 219 | 81 | 138 | 22 | 4 | 3 | 11 | 7 | 6 | 9 | 5 | 7 | 3 | 3 | 1 | 0 | |
| SKILLED WORKERS | 483 | 216 | 267 | 59 | 9 | 6 | 11 | 10 | 16 | 23 | 8 | 13 | 6 | 5 | 29 | 21 | |
| SEMI-SKILLED | 550 | 274 | 276 | 87 | 8 | 14 | 30 | 19 | 9 | 22 | 18 | 21 | 13 | 12 | 13 | 8 | |
| TRAINEES / APPRENTICES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| JUNIOR STAFF | 1419 | 639 | 780 | 180 | 24 | 28 | 55 | 43 | 37 | 60 | 42 | 48 | 24 | 24 | 45 | 29 | 0 |
| GRAND TOTAL | 2526 | 1275 | 1251 | 585 | 46 | 54 | 89 | 76 | 69 | 94 | 71 | 73 | 46 | 52 | 61 | 42 | 7 |

TECH. & SUPERVISORY STAFF (I) = (SNR.TEC.OFFR. TO CHF.TEC.OFFR.)

TECH. & SUPERVISORY STAFF (II) = (TEC.OFFR GDII & TEC.OFFR GDI)

Source: GHA Human Resource Division, March 2018

Table 11: Age Group Distribution – Whole of GHA 31st March 2018

| AGE GROUP DISTRIBUTION OF ALL GHA STAFF-MARCH-2018 | | | | | | | |
|--|--------------|------------|-----------|------------|------------|--------------|-------------|
| | 55 AND ABOVE | 50-54 | 45-49 | 40-44 | 35-39 | 34 AND BELOW | TOTAL |
| OCCUPATION CATEGORY | | | | | | | |
| ADM./ OTHER MANAGERIAL STAFF | 70 | 33 | 12 | 15 | 32 | 35 | 197 |
| CLERICAL STAFF | 31 | 9 | 0 | 1 | 5 | 35 | 81 |
| ENGINEERS | 30 | 29 | 9 | 13 | 32 | 62 | 175 |
| FOREMAN/CHARGEMAN | 1 | 0 | 0 | 0 | 1 | 2 | 4 |
| OTHER PROFESSIONAL STAFF | 11 | 8 | 8 | 7 | 13 | 10 | 57 |
| SEMI-SKILLED STAFF | 81 | 41 | 24 | 36 | 46 | 46 | 274 |
| SKILLED WORKERS | 72 | 47 | 20 | 32 | 19 | 26 | 216 |
| SUPERINTENDENT | 15 | 5 | 0 | 0 | 0 | 0 | 20 |
| TECH.& SUPERVISORY STAFF (I) | 26 | 14 | 4 | 6 | 16 | 13 | 79 |
| TECH.& SUPERVISORY STAFF (II) | 0 | 0 | 1 | 4 | 10 | 49 | 64 |
| TECHNICIAN ENGINEER STAFF | 30 | 17 | 3 | 15 | 21 | 22 | 108 |
| | 367 | 203 | 81 | 129 | 195 | 300 | 1275 |

Source: GHA Human Resource Division, March 2018

2.2.2 Recruitment of Key Staff to Replace Exited Key Staff

There was no recruitment during the quarter under review.

2.2.3 Labour Turn Over

Twenty members of staff proceeded on compulsory and voluntary retirements during the first quarter under review. Total exits (including retirements, deaths, resignations and dismissals.) Details of staff exits including are shown in table12.

Table 12: Labour Turn Over

| Exits | Senior Staff | Junior Staff | Total |
|------------------|--------------|--------------|-----------|
| Retirement | 7 | 13 | 20 |
| Resignation | 0 | 1 | 1 |
| Deaths | 0 | 0 | 0 |
| Dismissals | 0 | 0 | 0 |
| Vacation of Post | 0 | 0 | 0 |
| Total | 7 | 14 | 21 |

Source: GHA Human Resource Division, March 2018

2.3 Internal Audit Division

The Division made available to management various reviews, recommendations and undertook a series of control activities during the first quarter of 2018. Table 13 shows details of some of the key activities undertaken by the Division in period under review and their status.

Table 13: Details of Audit Activities Carried in 1st Quarter 2018

| No. | Activity Description | Status |
|-----|---|------------|
| 1. | Review of IPC No. 1 & 2 (Reconstruction of Nkwanta – Dambai Road - 50km) | On - going |
| 2. | Review of IPC No. 11 (Upgrading of Nkwanta – Oti Damanko - km 0 – 50) | On - going |
| 3. | Rehabilitation of Agona Junction – Elubo Road (Lot 1: Km 0 – 30) IPC No. 20A (Compensation) | On - going |
| 4. | Review of IPC No. 75 - Construction of Three Lane Dual Carriageway from Tetteh Quarshie Interchange to Madina with 2No. Interchanges and Service Lanes (4.6km) | On - going |
| 5. | Review of IPC No. 2, 3, 8 Construction of Bolgatanga- Bawku – Pulimakom Road (116.1km) | Completed |
| 6. | Construction of Bolgatanga- Bawku – Pulimakom Road (116.1km) IPC No. 1, 4, 5, &11 | On - going |
| 7. | Review of IPC 4 (Construction of Elubo- Enchi Trunk Road- KM17+600-37+600 N12 Phase II- Addendum No.1) | On - going |
| 8. | Review of IPC 6 (Upgrading of Atebubu- Kwame Danso- Kwadwokrom Road – KM0.0-30.8 Lot 1) | On - going |
| 9. | Pre Audit of Invoice No. 2a -M/S UWP Consulting (PTY) Transport Sector Improvement Project | Completed |
| 10. | Pre – Audit of Mutual Savings & Credit Fund | On -going |
| 11. | Pre- Audit : Promotion, interdiction and compulsory retirement inputs both the Regions and Head Office | On -going |
| 12. | Audit of compensation payments | On -going |
| 13. | Audit of Accra, Ashaiman, Tema and Kasoa Toll Plazas | Completed |
| 14. | Examination of payment vouchers (Internally Generated Fund) (IGF) January, 2016 - March, 2016 | Completed |
| 15. | Postings of payment vouchers to Synoptic Control Journal 2016 | Completed |
| 16. | Review of Stores record for January 2016- March 2017 | Completed |
| 17. | Employee Monthly Attendance Returns at Central Stores for the period August, 2016 to March 2017 (Payroll) | On -going |
| 18. | Cash Management Audit - Central Mechanical Workshop | On -going |
| 19. | Review of Monthly Expenditure Returns (2018) –Jan. 2018(Northern Region , Upper East Region and Upper West Region), Feb. 2018 (Upper East Region) and March, 2018(Brong Ahafo Region) | Completed |
| 20. | Examination of General Payment Vouchers (Account 18) ; January, 2016 –March, 2016 | Completed |

| | | |
|-----|--|-----------|
| 21. | Review of Monthly Expenditure Returns: (2018) <ul style="list-style-type: none"> • Western Region (January – February) • Volta Region (Jan. Feb.) • MMUII and BMU (Jan. - Feb.) | Completed |
| 22. | Audit of Store G, Tyres Store and Oil & Lubricant Store for the period Nov. 2016-March, 2017 | Completed |
| 23. | QAIP- Quality Assurance Implementation Programme | On going |
| 24. | Tolls Revenue Monitoring Audit (Tema, Accra, Ashaiman and Kasoa Toll Plazas) | Completed |

Source: GHA Internal Audit Division, March 2018

2.4 Legal Services Division

These civil cases received attention in Court during the year under review. Their status are set out in Table 14

Table 14: Court Cases involving the Authority

| | TITLE | COURT | SUBJECT | REMARKS |
|----|---|--|---|---|
| 1 | Otinshie Land Case Nuumo Adjei Kwankwo Vrs GHA ORS | High Court, Accra | Alleged trespass to land in Accra belonging to the Authority. | Dormant |
| 2 | Wisdom Awuku & Boadi Acheampong VRS GHA | Court of Appeal, Accra | Alleged wrongful dismissal | Appeal to the Supreme Court by the Plaintiffs is still pending. |
| 3 | James Manu Vrs GHA | High Court, Kumasi | Compensation | Pending |
| 4 | JoeMersa Co. Ltd. Vrs GHA | High Court, Commercial Division, Sunyani | Damages for wrongful termination of contract | Dormant |
| 5 | Long Life Confectionery Vrs. Ltd 1. Attorney General 2. GHA 3. China Railway Corp. | High Court, Accra | Compensation | Hearing set to start (27/1/2018). |
| 6 | Esther Boye Boateng Vrs 1. Joyce Ansong 2. GHA | High Court Koforidua | Compensation | Pending |
| 7 | Kwesi Attah Vrs 1.Kingsley Kwakye 2. Sowah Adjetyey 3. GHA | High Court Koforidua | This is an accident case and the Plaintiff who was an affected person sued the Authority and its driver among others. | Attempts at amicable settlement |
| 8 | 1. Mrs. Florence N. Agyeman 2.Mr. Charles Agyeman Vrs 1.ECG 2.AARSELF Gh. JV 3.Dopel Engr Ltd. 4.GHA | High Court Kumasi | Plaintiff first sued the first 3 Defendants and later joined the Authority to compel Defendants to rebuild or pay current value of their house and replace family belongings and jewellery that got burnt by fire during the relocation of E.C.G. lines along the Kumasi –Konongo Road Project. Plaintiff sued the Authority for the | Plaintiff to furnish GHA with title deeds over property to enable process of compensation evaluation to proceed. |
| 9 | Elvis Kwaku Agyeman Badu Vrs. GHA | High Court (Labour Division) Accra | payments of outstanding salaries and benefits up to his retirement date – 1 st Sept. 2014 | Dormant |
| 10 | Mercy Kabuki Tettehfiio(Nee Akrofi) Vrs GHA | High Court (Labour Division) Accra | The Plaintiff claimed that she was compulsorily retired by the Authority even though she has not yet reached the compulsory retirement age of 60 years. The High Court gave judgement in favour of Plaintiff. The Authority has appealed to the Court of Appeal. | Appeal process in progress. |
| 11 | 1.Amoako Ababio & Co. 2.Valuation Dev. Service Vrs GHA | Fast Track High Court, Accra | Writ filed by Plaintiffs to recover from the Authority proposal fees for a Valuation exercise for clients which the GHA failed to pay against the advice of LVD of the Lands Commission . | Dormant |
| 12 | Douglas Carl Botwe Vrs GHA | High Court Commercial, Kumasi | The Plaintiff sued claiming payment of compensation due him for the destruction of his 2No. properties during the construction of the Kumasi – Konongo Road Project. | Judgement in favour of Plaintiff on one property. Case dismissed in relation to the other property. Plaintiff has appealed in relation to the dismissed claim. |
| 13 | Ghana Federation of the Disabled Vrs Attorney General, GHA, Millennium Development Authority | High Court, Human Rights Division Accra | It would be recalled that the Plaintiff sued in relation to the Tetteh Quarshie – Mallam Highway. It claimed that the interest of the Disabled was not catered for in that adequate safety measures were not put in place for them. | Outstanding concerns of Plaintiff addressed. Terms of settlement yet to be signed and filed. |
| 14 | Edward Kobblah Penu Vrs Millennium Development Authority, GHA | High Court Human Rights Division, Accra | This case related to the Tetteh Quarshie Mallam Highway. It is a claim for compensation for properties affected by the project. The Plaintiff has furnished a copy of his Property's Valuation Report to the Authority and the Land Valuation for vetting and approval to enable the matter to be settled amicably out of court. | The LVD of the LC has been ordered to come to Court and report on the status of the Valuation Approval. |

| | | | | |
|----|--|---|--|--|
| 15 | Top Oil Vrs 1. Alhaji Yussif & GHA | High Court (Land Division) | The Defendant Alhaji Yussif sued the Authority by a counter claim for the wrongful payment of compensation money to the Plaintiff Top Oil. | The case is pending |
| 16 | Japan Motors Trading Co. Ltd Vrs GHA | High Court (Commercial Division) | The Plaintiff sued for an Order to direct the Authority to pay an amount of ¥27,612,692. 00 million Japanese Yen being the contract sum for the supply of two water tankers due them. | The principal amount has been settled by the Ministry of Finance. What remains is the claim for interest payments. |
| 17 | Nyagsi Engineers Ltd. Vrs GHA | High Court, Commercial Division – Accra | Plaintiff sued the Authority for breach of contract. | Judgement in favour of Plaintiff for Performance Bond Purchased and for the Breach of contract. However claim for the whole profits under the contract defect since Plaintiff did not execute the contract due to termination. |
| 18 | Aduana Dawurampong Stool of Assin Atadanso Vrs GHA | High Court, Fast Track Division – Accra | Plaintiff sued the Authority for the recovery of GH¢668,958.43 for value of gravel and other soil material won from Plaintiff's land | Dormant |
| 19 | Ben Sevor Vrs GHA & Oth | High Court, Accra | Plaintiff sued the Authority for a declaration that all the Defendants were endangering human lives including Plaintiff's for not attending to potholes created on the Accra – Ho trunk road at Mampong Shai Street junction. | Dormant |
| 20 | Nana Adu Agyei Bonse II Ohene of Old Akra Vrs GHA | High Court, Koforidua | Plaintiff sued the Authority for an Order by Court to compel the Authority to give them a fair and reasonable portion of the proceeds arising from the operations of the Pontoon Services from Old Akra to Senchi and also for the Authority to file in Court the accounts of proceeds arising out of the Pontoon Services. | Dormant |
| 21 | Mrs. Cecilia Buah Blankson Vrs. 1. GHA 2. Managing Director (Mawums Co. Ltd.) | High Court, Cape Coast | The Plaintiff sued the Defendants jointly and severally for damages caused by the poor construction of Drainage in front of her guest house which had allegedly resulted in flooding of her guest house anytime it rains. | The case is ongoing. |
| 22 | Sydney t. Danso Ladans | High Court, General Jurisdiction, Accra. | Plaintiffs sued the Authority claiming cost of medical and related expenses as well as damages for an accident near Islamic High School near Okurasi Junction, Suhum. | Dormant. |
| 23 | Edward Afful | High Court, Koforidua. | Plaintiff sued for trespass to his land, an order for valuation of land and assessment of damages and payment of compensation. | Plaintiff was directed by Court to furnish title on land to facilitate processing of claim. |
| 24 | Ebusuapanyin Kingsly Quayson Vrs 1. Ghana Water Co. 2. GHA | High Court, Cape Coast. | Plaintiff sued for declaration of title to land abutting Cape Coast - Takoradi Road which he alleges to be trespassed on by the Defendants by laying pipelines without authorization. | GHA was joined to the case at the instance of Ghana Water Company Limited. |
| 25 | Nsuta Stool Vrs GHA | High Court, Kumasi | Plaintiff sued for recovery of land on which GHA has a Road Camp. Because GHA has not performed the necessary customary function in recognition of Plaintiffs ownership. | Plaintiff are being engaged by GHA to regularize ownership. |
| 26 | Madam Benedicta Awoa Anibea Vrs Ghana Highway Authority | High Court, Koforidua | Plaintiff sued for the disclosure of total amount of compensation paid to 3rd, 4th, 5th and 6th Defendants and an order for the Defendants to account for all monies received and pay reasonable proportion of the monies received by the 3rd, 4th, 5th and 6th Defendants to the Plaintiffs as compensation for demolition of H/NO. GHA/OM 32, Omenako. | The case is pending |
| 27 | Quarcoo Tetteh Vrs 1. China Railway (WUJU) Group Corporation 2. Ghana Highway Authority | High Court, General Jurisdiction, Accra. | Plaintiff sued the Authority for damages for the destruction of his fish pond and stock of fish, loss of office equipments and household property and for the loss of revenue from the recreational centre estimated at about GH¢100,000.00 | Evidence taking has commenced. |

Source: GHA Internal Legal Services Division, March 2018

2.5 Management Information Systems Division

2.5.1 In-house Activities

The Division continued its function of providing overall co-ordination and supervision of the Authority's data operations, computer systems, networking and hardware services.

The training of staff on the use of computer and other related equipment has been an on-going process.

The technical team of the division continued their routine visits to the toll booths namely Kasoa, Ashiaman and Accra-Tema motorway and did routine maintenance on the equipment in the toll booths.

M.I.S. Division supervises the Authority's computer systems, Data operations, networking and hardware services. During the 1st quarter of the year under review the Division did major activities to improve quality of work. The Division gave support to users in the face of difficulties arising from inconsistent network connections and usage of bandwidth by employees.

2.5.2 Toll Operations

In line with routine works, the technical team of the Division visited the following toll booths (Kasoa, Ashiaman and Accra–Tema motorway) to maintain equipment in the toll booths.

Card Production



E-cards were produced for customers on request during the quarter under review.

Point Of Sale Machine (POS)


In order to reduce cost of operations at the toll stations, the Authority is in the process of deploying Point of Sale (POS) devices in all thirty-two (32) toll stations across the nation.

The contract has been divided into three (3) Lots and have been awarded to three (3) different contractors.





Lot 1 comprises of the following regions:

-  Volta Region
-  Western Region
-  Central Region
-  Eastern Region

Lot 2 comprises of the following region:

-  Ashanti Region

Lot 3 comprises of the following regions:

-  Brong Ahafo Region
-  Northern Region
-  UpperWest Region
-  Upper East Region

2.5.3 Installation and Configuration of LAN

GHA is in a process of changing its network cabling at the Head Office because they are obsolete thus affecting data output.

The existing LAN was installed in the year 2002 and after more than twelve (12) years of its existence, most of its components have either developed faults or experienced significant deterioration in throughput due to aging.

The consequence of this has occasioned the slowness in Internet connection and other network related problems that staff experience most of the time.

The World Bank has provided the Authority with funds for the procurement of (LAN) equipment. MIS Division collaborated with Stores, a section of Plant and Equipment Division to invite four (4) companies to submit tenders for consideration for the award of contract to supply various networking equipment for the reconstruction of Head Office LAN.

2.5.4 Management and Maintenance of GHA Website

The official website of the Authority, www.highways.gov.gh is live and operational. It has been in a developmental environment for several months and was made public in November 2017. The website depicts the online identity of the Authority and so accurate and relevant information to the public remains crucial.

In line with this, a meeting was held at the Ministry of Roads and Highways to review the current state of the website and also come out with relevant comments and suggestions. During the meeting a GHA Website Committee was set up to assist in the interim with updating and management of the newly launched website. Most of the committee's recommendations have been implemented.

2.6 Public Affairs Division

Activities

Advertisement / Announcement

- ✚ Addendum: Extension of Request for Qualification Submission Date.
- ✚ Specific Procurement Notice Invitation for Tenders (IFT), Sogakope.
- ✚ Construction of Tema Motorway Grade-Separation Interchange.
- ✚ Emergency closure of Kulungulu Bridge.
- ✚ Temporary closure of Buipe Bridge.
- ✚ Intermittent closure of the Offin River Bridge on the Dunkwa-On-Offin to Obuasi road on the N10 Highway

Press Activities/Engagement

- ✚ Interview on TV3, 3FM Adom FM on the Sanitation on the Tema Motorway.
- ✚ Interview on Citi FM on the East Legon-Spintex tunnel.

Stakeholder Engagement

- ✚ Evacuation of squatters, drivers, hawkers, car dealers, business owners in the right of way within Tema Municipal Assembly- Construction of Tema Motorway Grade-Separation Interchange. (January).
- ✚ New Axle Load Limit and Penalties for overloading on Ghana's road corridors – 21st February, 2018, Tema.

2.7 Training & Development Division

A summary of the training and the development programme for the year 2018 is presented in Table 15. The details of various programs that were organised during the quarter is also shown in Table 16.

Table 15: Training & Development Programme for the Year 2018

| 1ST QUARTER 2018 | | | | | | | | |
|---------------------|--|----------|------------------------------|-------------------|-------------------|-------------------|-------------------|---|
| CATEGORY | ACTIVITY | LOCATION | NO. OF STAFF | NO. TRAINED | NO. TRAINED | NO. TRAINED | NO. TRAINED | REASONS FOR ACHIEVEMENT |
| | | | TO BE TRAINED IN THE YEAR | IN 1ST QUARTER | IN 2ND QUARTER | IN 3RD QUARTER | IN 4TH QUARTER | |
| MGT. LEVEL | Seminar/Conference/ Workshop | Foreign | 2 | 0 | | | | |
| | Fellowship | Foreign | 0 | 0 | | | | |
| | Seminar/Conference/ Workshop/ (In-house) | Local | 40 | 14 | | | | National Anti-Corruption Action Plan-Board Room, National Conference on Technical Education - Capital View Hotel, Koforidua |
| | Local Institution | Local | 20 | 0 | | | | |
| MIDDLE LEVEL | Seminar/Conference/ Workshop | Foreign | 5 | 0 | | | | Training Program In Japan for Fiscal Year on 'Practice of Environment and Social Consideration for Investment Project Financing' - Japan |
| | Higher Level Training | Foreign | 2 | 0 | | | | |
| | Fellowship | Foreign | 6 | 1 | | | | |
| | Seminar/Conference/ Workshop (In-house) | Local | 266 | 17 | | | | National Anti-Corruption Action Plan - Board Room, Best Practices in File Management Workshop-Osu Ebenezer Presbyterian Conference Suite, |
| | Higher Level Training (MSc/MBA) | Local | 7 | 8 | | | | MSc in Road & Transportation Engineering - KNUST, MBA in Finance, UGBS, MBA in Finance and Taxation GIMPA, MBA in HRM, UGBS, |
| | HND/BSc. Programme | Local | 4 | 3 | | | | BSc in Information Technology - Ghana Technology University, BSc in Information Technology, Pentecost University |
| | Local Institution | Local | 50 | 0 | | | | |
| JUNIOR STAFF | HND/BSc. Programmes | Local | 4 | 0 | | | | |
| | Seminar/Wkshop/ In-house | Local | 80 | 0 | | | | |
| | | TOTAL | 515 | 43 | | | | |

Source: GHA Training & Development Division March 2018

Table 16: Training & Development Program organized in the 1st Quarter of 2018

| NO | LOCATION | COURSE TITLE | NO. OF PARTICIPANTS | LEVEL | COUNTRY/ VENUE |
|----|----------|---|---------------------|--------|---------------------------------------|
| 1 | LOCAL | National Anti-Corruption Action Plan | 14 | Mgt. | GHA Board Room |
| 2 | LOCAL | National Conference on Technical Education | 1 | Mgt. | Capital View Hotel, Koforidua |
| 3 | FOREIGN | Training Program in Japan for Fiscal Year 2017 on 'Practice of Environment & Social Consideration for Investment Project Financing' | 1 | Middle | Japan |
| 4 | LOCAL | Best Practices in File Management Workshop | 3 | Middle | Ebenezer Presby, Osu Conference Suite |
| 5 | LOCAL | Anti-Corruption Action Plan | 13 | Middle | GHA Board Room |
| 6 | LOCAL | MSc in Road Transportation Engineering | 5 | Middle | KNUST, Kumasi |
| 7 | LOCAL | MBA in Finance | 1 | Middle | University of Ghana Business School |
| 8 | LOCAL | MBA in Finance and Taxation | 1 | Middle | GIMPA |
| 9 | LOCAL | MBA In HRM | 1 | Middle | University of Ghana Business School |
| 10 | LOCAL | BSc Information Technology | 1 | Middle | Pentecost University |
| 11 | LOCAL | BSc Information Technology | 2 | Middle | Ghana Technology University |

Source: GHA Training & Development Division March 2018

CHAPTER THREE

3.0 MAINTENANCE DEPARTMENT

3.1 Road Maintenance Division

3.1.1 Maintenance Projects

- **Routine Maintenance**

The approved program for the year under review is 28,124.80km at a cost of GH¢41,700,000. 58.65% of all routine maintenance activities has been achieved at the end of the 1st quarter of 2018. Details of the achievements in the various activities are shown on Table 17

- **Periodic Maintenance & Minor Rehabilitation**

A total of 50.68km length of road was approved for periodic maintenance and minor rehabilitation works at cost of GH¢30,080,000.

Table 17 and figure 2 gives details of achievements in the various maintenance activities.

Table 17: Achievements in Routine & Periodic Mtce. Projects –as at 31st March 2018

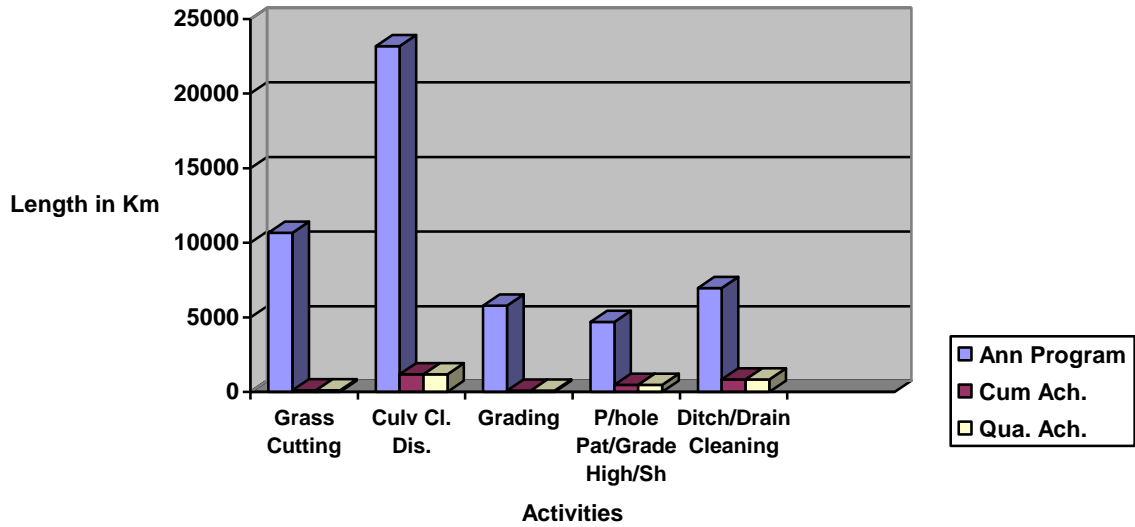
| ACTIVITY | 2018 PLANNED PROGRAMME | | 2018 APPROVED PROGRAMME | | 1ST QUARTER ACHIEVEMENT KM | 2ND QUARTER ACHIEVEMENT | 3RD QUARTER ACHIEVEMENT | 4TH QUARTER ACHIEVEMENT | CUMM. ACHIEVEMENT | ACHIEVEMENT PER PLANNED PROGRAMME (%) | ACHIEVEMENT PER APPROVED PROGRAMME (%) |
|--|------------------------|-----------|-------------------------|-----------|----------------------------|-------------------------|-------------------------|-------------------------|-------------------|---------------------------------------|--|
| | UNITS | | UNITS | | | | | | | | |
| ROUTINE MTCE | | | | | | | | | | | |
| Grass Cutting | No. | 10,674.00 | No. | 7,248.30 | 3,377.08 | | | | 3,377.08 | 31.64 | 46.59 |
| Culvert Cleaning& Desilting No. | Km | 23,162.00 | Km | 15,757.10 | 2,690.20 | | | | 2,690.20 | 11.61 | 17.07 |
| Ditch/Drain Cleaning/Sweeping of Arte RDS * | Km | 6,960.00 | Km | 4,802.40 | 7,111.30 | | | | 7,111.30 | 102.17 | 148.08 |
| Grading Gravel Surface & Ditch Cleaning | Km | 5,789.00 | Km | 4,058.60 | 1,425.22 | | | | 1,425.22 | 24.62 | 35.12 |
| Pothole Patching & Grade High Shoulders * | Km | 4,692.80 | Km | 3,076.13 | 4,580.33 | | | | 4,580.33 | 97.60 | 148.90 |
| PERIODIC MTCE | | | | | | | | | | | |
| Regravelling/Spot Improvement | Km | 131.3 | Km | 12.90 | 9.24 | | | | 9.24 | 7.04 | 71.63 |
| Resealing | Km | 80.0 | Km | 8.00 | 7.02 | | | | 7.02 | 8.78 | 87.75 |
| Partial Reconstruction (Reshaping) | Km | 22.23 | Km | 21.53 | 0.46 | | | | 0.46 | 2.07 | 2.14 |
| Overlay | Km | 9.76 | Km | 4.05 | - | | | | 0.00 | 0.00 | |
| Drainage Structures & Bridges | GH¢M | 62.78 | GH¢M | 3.01 | 0.370 | | | | 0.37 | 0.59 | |
| REHABILITATION | | | | | | | | | 0.00 | | |
| Upgrading * | Km | 23.99 | Km | 1.86 | 6.73 | | | | 6.73 | 28.05 | 361.83 |
| Rehab. of Town Roads | Km | 6.25 | Km | 1.45 | | | | | 0.00 | 0.00 | |
| Reconstruction, Rehabilitation & Construction (Former Enhanced Projects) | Km | 15.85 | Km | 1.59 | | | | | 0.00 | 0.00 | |

* High achievement percentage for approved Upgrading programme due to inadequate budgetary provision and contracts that have been awarded before the beginning of the year & works being executed.

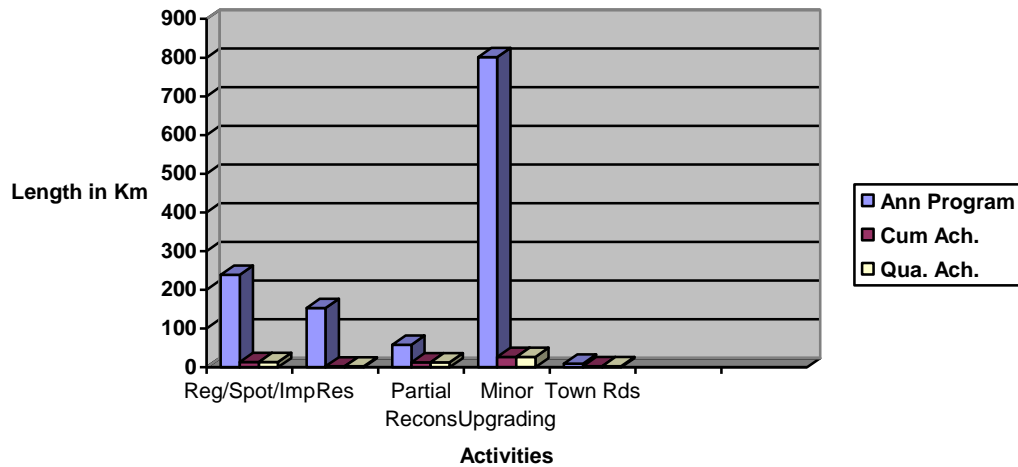
Source: GHA Road Maintenance Division March 2018

Figure 2: Achievements in Maintenance Projects

**Achievements in Routine Maintenance Programs
As at End of 1st Quarter 2018**



**Achievements in Periodic Maintenance as At the end of the
1st Quarter 2018**



Legend

Reg: Regravelling
Res: Resealing
Spot Imp: Spot Improvement

Tn.Rds: Town Roads
Culv. Cl. Dis: Culvert Cleaning & Desilting

GOG (Road Fund & Consolidated Fund & Cocobod) Projects

On-going Projects

Currently there are Six Hundred and Four (604) on-going maintenance projects. The breakdown into various activities is as shown in Table 18.

Table 18: On-going Maintenance Projects

| ACTIVITY | NO. OF PROJECTS/SOURCES OF FUNDING | | | | | LENGTH (KM) |
|---|------------------------------------|---------------------------|------------|----------------------|-----------|-----------------|
| | CONSOLIDATED FUND | GOLD FIELDS GHANA LIMITED | ROAD FUND | “ENHANCED” ROAD FUND | COCOBOD | |
| REGRAVELLING/ SPOT IMPROVEMENT | 2 | | 54 | | | 431.10 |
| RESEALING | 1 | | 32 | 1 | | 227.10 |
| PARTIAL RECONSTRUCTION | 12 | | 4 | 2 | 26 | 757.50 |
| SECTIONAL REPAIRS/PARTIAL RECONSTRUCTION/ ASPHALTIC OVERLAY | 1 | | 1 | 1 | | 52.20 |
| TOWN ROADS | 4 | | 2 | | | 36.00 |
| UPGRADING | 40 | | 8 | 17 | 32 | 1,917.00 |
| REHABILITATION (UNPAVED) | 1 | | | 3 | | 137.00 |
| REHABILITATION (PAVED) | 5 | 3 | 2 | 7 | 4 | 432.10 |
| RECONSTRUCTION | | | 1 | 1 | 4 | 143.10 |
| CONSTRUCTION | | | | 2 | 4 | 247.50 |
| CONSTRUCTION/ REHABILITATION | | | | 1 | | 11.95 |
| BRIDGE/DRAINAGE STRUCTURES | | | 325 | | 1 | |
| TOTAL | 66 | 3 | 429 | 35 | 71 | 4,329.55 |
| | 604 | | | | | |

Source: GHA Road Maintenance Division March 2018

Completed Projects

Tables 19 depicts the projects have been completed and taking Over Inspections conducted and table 20 also lists the projects that were completed and substantially in the period under review.

Table 19: Completed Projects

| NO. | REGION | PROJECT |
|-----|--------|---|
| 1 | BAR | Reg. and Spot Improvement of Prang-Kintampo Road (km 16.0 -21.0) Lot 3 |
| 2 | BAR | Reg. and Spot Improvement of Prang-Kintampo Road (km 21.0 - 26.0) Lot 4 |
| 3 | UWR | Regravelling of Tumu-Gwollu-Hamile Road (km 45.0-55.0) Lot 1 |
| 4 | UWR | Regravelling of Zini-Lambussie Road (Km 5-10) Lot 2 |
| 5 | BAR | Upgrading of Ampomah - Anyima Road (km 0.00 - 9.2) |
| 6 | NR | Upgrading of Walewale-Gambaga Road (Km 27-38) |

Source: GHA Road Maintenance Division March 2018

Table 20: Substantially Completed Projects

| NO. | REGION | PROJECT |
|-----|--------|---|
| 1 | BAR | Regravelling and Spot Improvement of Prang-Kintampo Road (km 6.0 - 11.0) Lot 1 |
| 2 | ER | Regravelling of Asesewa-Abooso Road (km 0 - 5) Lot 1 |
| 3 | NR | (Relocated to Regravelling of Yendi-Zabzugu Road (km 10-28)). Regravelling of Opijua - Wulensi (km 0.0 - 18.0) |
| 4 | NR | Regravelling of Kpandai-Buya Road (km 0-5) - Lot 1 |
| 5 | NR | (Relocated to Regravelling of Yendi - Zabzugu Road (km 43 - 48)) Regravelling of Kpandai-Buya Road (km 5-10) - Lot 2 |
| 6 | NR | Regravelling of Yendi-Zabzugu Road (km 33-38) - Lot 4 |
| 7 | NR | Regravelling of Zabzugu-Tatale Road (km 5-10) - Lot 6 |
| 8 | UWR | Regravelling of Zini-Lambussie Road (Km 0-5) Lot 1 |
| 9 | WR | Regravelling of Insu Junction - Oppong Valley Road (km 9.40 - 14.4) |

| NO. | REGION | PROJECT |
|-----|--------|--|
| 10 | WR | Regravelling of Insu Junction - Oppong Valley Road (km 14.4 - 19.4) |
| 11 | UWR | Resealing of Wa-Nadowli-Jirapa Road (km 15 - 20) - Lot 2 |
| 12 | AR | Partial Reconstruction of Obuasi Junction - Dunkwa Road (km 2.0-15.5) |
| 13 | CR | Partial Reconstruction of Essiam Town Roads (3.5Km) |
| 14 | ER | Partial Reconstruction of Adeiso - Asamankese Road (Km 0-10) |
| 15 | ER | Partial Reconstruction of Suhum - Asamankese Road (km 20-30) |
| 16 | ER | Partial Reconstruction of Nsawam (Adeiso) - Asamankese Road (Km 10-24) |
| 17 | VR | Partial Reconstruction of Have-Kpando Road (KM 0 - 10) |
| 18 | BAR | Upgrading of Duayaw Nkwanta Roads (2.0km) |
| 19 | BAR | Upgrading of Kofibadukrom Jn - Kofibadukrom Road (Km 0-5) |
| 20 | BAR | Upgrading of Dormaa Ahenkro-Nkrankwanta Road (Km 10-20) |
| 21 | CR | Upgrading of Dunkwa - Twifo Praso - Assin Fosu Road (20Km) |
| 22 | GAR | Upgrading of Oyibi -Ashaiman Road (km 0-11.7) |
| 23 | NR | Upgrading of Tamale-Kumbungu-Nawuni Road (km 6 - 16) |
| 24 | NR | Upgrading of Tamale-Tolon-Daboya Road (Km 13.2-19.8, 22.2-25.6) |
| 25 | NR | Upgrading of Daboya-Mankarigu-Wiasi Road (km 0.00-10.00) |
| 26 | UWR | Upgrading of Nadowli-Lawra-Hamile Road (km 0-45) Lot 7 |
| 27 | VR | Upgrading of Have-Kpando Road (Km 10-30) |
| 28 | WR | Upgrading of Daboase - Atieku Road (Km 7 - 33) |
| 29 | VR | Upgrading of Kete Krachi - Buya Road (Km 10-30) |
| 30 | WR | Upgrading of Daboase - Atieku Road (Km 33 - 59) Lot 2 |

| NO. | REGION | PROJECT |
|-----|--------|---|
| 31 | WR | Upgradng of Enchi - Dadieso Road (Km 30-50) |
| 32 | WR | Upgrading of Akontonbra - Bodi Road (Km 0-15) |
| 33 | WR | Upgrading of Akontombra - Sefwi Wiawso Road (Km 0-10) |
| 34 | UER | Rehabilitation Of Selected Roads In The Upper East Region Bolgatanga-Bongo Road Winkongo-Tongo Road Navrongo-Tumu Road (16.2km) & V. O. No. 1 (8.0)km) |
| 35 | WR | Construction of Bridge over River Fure (Prestea-Samreboi Road) |

Source: GHA Road Maintenance Division March 2018

3.1.2 2016 Road Condition Survey

Data Collection

The 2017 Road Condition Survey data collection was completed in the 1st quarter of 2018. The Roughness Index data collection is currently ongoing, and is expected to be completed within the 2nd quarter of 2018. Subsequently, the 2017 Road Condition Report is expected to be prepared by the end of the 2nd quarter.

3.1.3 GHA Units (MMUI, MMUII, & BMU)

MMUI

The Unit is based at Techiman and is responsible for the Northern Sector of the country.

MMUII

This Unit is based at Suhum in the Eastern Region and is responsible for the Southern Sector of the country.

BMU

The Bridge Maintenance Unit (BMU) has been charged with the responsibility of maintaining and repairing defective bridges and major culverts in the country. The Unit has two camps, one at Kukurantumi in the Eastern Region, taking care of the southern sector and the other at Techiman in the Brong Ahafo Region responsible for all bridges in the northern sector of the country.

Details of work executed by the various Units are shown in table 21.

Table 21: Details of Works by MMUI MMUII & BMU –as at 31st March 2018

| PROGRESS REPORT ON WORKS EXECUTED BY GHA UNITS IN THE 1 st QUARTER OF 2018 | | | | | | | |
|---|--|--------------------------------------|-------------|---------------------|--|---------------------------|---|
| GHA Units | Road Name | Activity | Length (km) | Project Cost (GHcM) | Total cost of Work done to date (GHcM) | Cumulated Achievement (%) | Remarks |
| MMU I | Sawla - Bamboi Road | Resealing | 153 | 6.640 | 0.400 | 4.00 | 2600m ² of pothole patching executed on the Bole-Tinga. Work in progress. |
| | Adansi - Asokwa Weigh Bridge Project | Renovation works | - | 1.173 | 0.430 | 36.66 | Paving grout completed. Renovation of buildings on-going. |
| MMU II | Koforidua - Suhum (Resealing/Partial Reconstruction) | Resealing/Partial Reconstruction | 29 | 7.003 | 0.024 | | |
| | Essuehyia - Otuum Road Phase II | Rehabilitation | 6.3 | 2.300 | 1.700 | 92.00 | Sealing works on-going |
| BMU | Kaneshie Foot Bridge | | - | 0.044 | 0.024 | | |
| | Repair of 50 Bridges in 10 Regions | Repair Works | - | 1.500 | | | |
| | Yensiso Bridge | Repair Works | - | 0.017 | - | 60.00 | Damaged parapet wall replaced with steel railings. Sealing of crack in abutment stem on hold due to water level. |
| | Bridge at Nkumkum | Replacement of Deck | - | 0.097 | - | 45.00 | Extension of abutment complete. |
| | Bridge over R. Mogla at Nakpali | Construction of abutments and piers. | - | 0.680 | - | 40.00 | The base for the two abutments and two of the piers have been cast. The stem of one of the pier has been cast 2m above the base. Excavation for the last piers footing is not yet done due to high water level. |

Source: GHA Road Maintenance Division March 2018

3.2 Plant & Equipment Division

3.2.1 Operations

The division is responsible for

- ✚ Procurement, maintenance, repairs and keeping records of Plant and Equipment of the Authority.
- ✚ Procurement of general goods (spare parts, oils & lubricants, tyres, batteries etc), stocking of goods, issuing out of goods and updating of stock levels of all goods at the warehouses quarterly and yearly.
- ✚ Provision of Ferry Services.

Central Mechanical Workshop

During the quarter, 144 jobs were received and 125 jobs were completed constituting about 87% leaving 32 (13%) outstanding jobs at the Central Mechanical Workshop.

During the quarter, 144 jobs were received and 125 jobs were completed constituting about 87% leaving 32 jobs (13%) outstanding.

The summary of the jobs received and completed at the various sections are as follows:

Table 22: Details of Completed Jobs (GHA)

| Month Section | January | | February | | March | | Total | |
|------------------|---------|-------|----------|-------|-------|-------|-------|-------|
| | Recd | Comp. | Recd | Comp. | Recd. | Comp. | Recd. | Comp. |
| Light | 15 | 13 | 20 | 19 | 28 | 25 | 63 | 57 |
| Electrical | 14 | 10 | 26 | 22 | 18 | 15 | 58 | 47 |
| Engine | 4 | 4 | 3 | 3 | 0 | 0 | 7 | 7 |
| Ancillary | 3 | 5 | 4 | 3 | 6 | 3 | 13 | 11 |
| Heavy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Machine | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 |
| | | | | | | | 144 | 125 |

Note: Recd = Received, Comp = Completed

Source: GHA Plant & Equipment Division March 2018

Kumasi Zonal Workshop

3.2.2 Completed Jobs (Private Jobs):

Revenue generated from private jobs undertaken during the quarter amounted to Four Thousand Seven Hundred and Ninety Five Ghana Cedis (**GH¢4,795.00**) mainly from the heavy section.

3.2.3 Ferries

M/S Sogakope

The repair works on this ferry was completed and the operations started within the quarter.

M/S Okor

As reported previously M/S Okor has been slipped out of water and grounded over several years. The ferry is deteriorating at an alarming rate. We are appealing to management to auction it as scrap for a salvage value.

3.2.4 Stores & Supplies Section

The Stores and Supplies Division of Ghana Highway Authority is charged with the responsibility of;

- ❖ Procurement of General Goods (spare parts, oils & lubricants, tyres, batteries etc) using the guidelines of the Public Procurement Authority.
- ❖ Stocking of goods in designated warehouses at the Central and Regional stores.
- ❖ Issuing out of goods and as and when, necessary using requisitions submitted by the end users of the goods.
- ❖ Updating of stock levels of all goods at the warehouses quarterly and yearly.

3.2.4.1 Shopping (Price Quotation)

Transport Sector Project (TSP)

Supply and Installation of Network Equipment and Accessories.

IFT NO: GH-GHA 45102-GO-RFQ

Transport Sector Improvement Project (TSIP)

Supply of Office Equipment and Stationery.

IFT: GH –GHA-34031-GO -RFQ

Tender opening has been carried whiles evaluation is ongoing for the above mentioned procurements.

IFT NO.GHA/NCT/GDS/07/16

Supply of G.P.S Equipment and Software Lot 1&2

This tender has been completed with the deliveries made to GHA, and the training aspect of the contract has been carried out.

IFT NO. GHA/NCT/GDS/O1/17.

Supply And installation Point of Sale (POS) Equipment for Toll Stations

Deliveries for the above procurement has been made by some of the suppliers, whereas installation is yet to be started.

CHAPTER FOUR

4.0 DEVELOPMENT DEPARTMENT

4.1 Bridges Division

- ❖ Construction of Austrian Bridges on Wa – Walewale road (5No. Bridges).
The project has been divided into five Lots:

Lot 1. Construction of Steel Bridge over River Gyanwali at Kundugu on the Yala-Kundungu- Sombisi Road. 35m Span.

Contractor: M/S Mallam Issah Ishaku & Bros Ltd

Contract Value: GH¢2,584,437.66

Award Date: 6th October, 2011.

Scheduled Completion Date: 22nd June, 2014

Progress is 80%. Work has stalled due to lack of payment.

Lot 2. Construction of Steel Bridge over River Kudage on the Sombisi – Tantali Road-35m Span.

Contractor: M/S Bachest Ghana Ltd

Contract Value: GH¢2,313,369.93

Award Date: 6th October, 2011. Progress is 76%.

Scheduled Completion Date: 31st December, 2014

Work has stalled due to lack of payment.

Lot 3. Construction of Steel Bridge over River Gongonwu on the Tantali –Tuvuu Road-35m Span.

Contractor: M/S Mawums Ltd

Contract Value: GH¢3,003,261.33

Award Date: 6th October, 2011

Scheduled Completion Date: 22nd June, 2014

Progress is 100%. Final completion inspection was conducted in March, 2015.

Defect liability Certificate issued.

Lot 4. Construction of Steel Bridge over River Gongonwu on the Tuvuu-Yikpabongo Road- 70m.

Contractor: M/S Jiangxi Zhongmei Eng. Const. Co. Ltd

Contract Value: GH¢4,464,741.68

Award Date: 8th January, 2011

The initial location of the bridge was changed due to accessibility problems. The Contractor has written to GHA to discontinue the construction of the bridge. The bridge has been relocated to Nalerigu on the Karaga – Gushiegu – Nalerigu road in the Northern Region. Reconnaissance survey of the proposed location has been undertaken. GHA is waiting for the release of funds to commence the detailed studies. A new Contractor will have to be sourced after the completion of the detailed Engineering studies at the proposed location. Request for funds will be resubmitted

Lot 5. Construction of Steel Bridge over River Kulpawn on the Luari-Jadima Road-Span is 140m.

Contractor: M/S China Zhong Hao Ltd

Contract Value: GH¢6,910,533.70

Award Date: 6th October, 2011

Progress is 24%. The Contractor has suspended works due to lack of payment.

Lot 6. Construction of Steel Bridge over the White Volta River at Mishuo. (Steel bridge of total span 210m)

Contractor: M/S Tass Kalia Ent. Ltd

Contract Value: GH¢20,965,811.09

Award Date: 4th May, 2016. The Contractor is mobilizing to commence works

Duration: 24 months

No physical presence at the site

Pre-commencement meeting was held. Notice to commence works was not issued.

Lot 7. Construction of Bridge over River Pra at Twifo Praso.

A new bridge is to be constructed at Twifo Praso in order to separate vehicular traffic from rail traffic. It is a 175m span bridge comprising a steel section of 105m and a reinforced concrete section of 70m

Contractor: M/S China Railway No.5 Engineering Company

Contract Value: GH¢28,176,797.57

Award Date: 4th May, 2016.

Ground investigation was completed within the second quarter. The Contractor has also completed setting up his camp. The Contractor submitted an alternative Proposal which is a Reinforced concrete box girder bridge. The review of the alternate proposal has been completed. Approval has been received from the Ministry of Roads and Highways (MRH) and the Central Tender Review Board.

❖ **Construction/Rehabilitation of Toll plaza on some selected trunk roads within the Country**

Bids were opened on 29th June, 2017. Evaluation of the tenders was completed within the second quarter. Evaluation report submitted to the Ministry of Roads and Highways (MRH) for approval. Awaiting response from MRH

❖ **Construction of Toll Plaza at Badukrom on the Cape Coast – Takoradi Road.**

Contractor: M/S Ba-Iseng Ltd

Contract Value: GH¢1,408,487

Award Date: 15th February, 2012

Scheduled Completion Date: 18th July, 2013

The Contract was terminated in December, 2015.

Cost to complete the outstanding works has been submitted to the Ghana Road Fund Secretariat.

❖ **Rehabilitation of Adomi Bridge.**

Contractor: M/S Bilfinger MCE GmbH

Contract Value: €12,900,000.00

Award Date: 16th May, 2012

Initial Completion Date: 23rd May 2013

Commencement Date: 10th March, 2014

Revised Completion Date: 31st May 2015

Possession of site for the commencement of works at site was given to the Contractor on 10th March, 2014. Progress is 100%. Substantial Taking over Inspection was undertaken on 7th December, 2015. Defects were seen on the asphalt overlay on the deck during the Defect Liability Period. The Contractor is preparing to rectify the defects.

❖ **Construction of six bridges in Northern Ghana funded by Danida.**

The list of the bridges to be constructed under this project is as follows:

Bridge No. 1 – Kulungugu – Upper East Region – 100m

Bridge No. 2 – Garu (2no.) – Upper East Region – 100m

Bridge No. 3 – Doninga – Upper East Region – 50m

Bridge No. 4 – Sissili – Upper West – 125m

Bridge No. 5 – Ambalara – Northern Region – 75m

Bridge No. 6 – Kulun - Upper West – 100m

The design of the above bridges was undertaken by **M/S Grontmij A/S** now **Sweco** in association with **M/S HAG Consult**. Procurement process has been completed and Contract agreement signed. Waiting for approval of Loan agreement by Parliament.

❖ **Construction of bridge over the Volta River at Volivo and Dufor Adidome.**

The Project consists of 540m long cable stayed bridge to be constructed over the Volta River. The bridge will have three spans (130m, 280m, 130m). The project will enhance the capacity of the Eastern corridor roads and provides an alternative route across the Volta River apart from the Adomi Bridge. The loan agreement was approved by Parliament on 2nd November, 2016 and the loan agreement was signed on 30th November, 2016 between Government of Ghana and the Japanese Government. The amount of the loan facility is US\$100 million (11,239 billion Yen). As part of the project 70km new road will have to be constructed from Asutsuare junction through Volivo to Asikuma junction. The road project will be funded by the African Development (AfDB). Request for Proposal for the Procurement of Consultants to supervise the works was prepared by GHA and JICA. Reviewed RFP has been received from JICA for review by GHA

❖ **Construction of ramps to existing six (6) Foot bridges on the George Bush Motorway – (N1).**

Drawings for the ramps to the six Foot bridges have been completed. The Contractor has suspended works due to lack of payment.

❖ **Construction of Two (2) underpasses on the George Bush Motorway – (N1).**

Review of design drawings is completed. Comments from the review of the drawing have been submitted to Contractors. Review of Bill of Quantities submitted by the Contractor has been completed.

❖ **Construction of Six (6) Foot bridges on the Madina – Pantang road.**

The Contractor has suspended works due to lack of payment and site constraints.

The locations for the footbridges are:

- Fire stone (Atomic junction)
- Zongo junction
- Redco junction
- Evangelical Presbyterian Church (EP)
- Seventh Day Adventist Church
- West African Secondary School

❖ **Rehabilitation of the Dunkwa Bridge.**

Contractor: M/S Syndicated Capital Ltd

Contract Value: GH¢ 1,920,104.09

Award Date: 26th September, 2016.

Works on the superstructure is ongoing. Contractor has submitted a request for Variation Order (V.O). The V.O is been prepared by GHA.

❖ **Rehabilitation of the Nasia Bridge on the Tamale – Bolgatanga road.**

Contractor: M/S Logistics Services Ltd

Contract Value: GH¢ 1,650,462.85

Award Date: 26th September, 2016.

Contract has expired in September, 2017.

No activity was recorded within the period Process for Termination of the Contract is in progress.

❖ **Rehabilitation of the Pwalugu Bridge on the Tamale – Bolgatanga road.**

Contractor: M/S Logistics Services Ltd

Contract Value: GH¢ 1,796,080.45

Contract has expired in September, 2017.

No activity was recorded within the period

Award Date: 26th September, 2016. The Contractor is mobilizing to site.

❖ **Reconstruction of the Iture Bridge over the Sweet River on the Cape Coast – Takoradi road.**

Inspection report has been submitted to the Ministry of Roads and Highways. BMU has completed the repair works on the bridge. Messrs Sonitra has submitted a Technical and a financial proposal. Evaluation of the Technical and Financial proposal is ongoing

❖ ***Underwater Investigation of the Ankobra and the Lower Volta Bridge bridges foundation***

Inspection of the bridges has been undertaken. Request for approval to sole source Aquatec Marine International for the under water investigation of the bridge foundations has been submitted to the Public Procurement Authority.

❖ ***Construction of bridge over River Bechelihi and River Navaribie on the Navrongo – Chuchuliga – Tumu Road.***

Design drawings have been completed and forwarded to Ministry of Roads & Highways for approval. Reminder has been sent to the Ministry of Roads and Highways.

❖ ***Replacement of existing bridge over River Luwhe at Ada.***

Contractor has submitted design drawing to GHA for review. Comments from the review of the design drawings have been forwarded to the Contractor for modification.

❖ ***Rehabilitation of the Lower Volta Bridge (Replacement of Expansion joints).***

GHA has received approval from MRH to procure the works for the replacement of the expansion joints. Request for submission of bids by Contractors will be advertised in the dailies in April, 2018.

❖ ***Construction of two lane underpass to link Spintex and East Legon***

Contractor: M/S Sonitra

Contract Value: GH¢ 14,815,261.48

Award Date: 1st August, 2017

Commencement Date: 20th July, 2017

Duration: Ten (10) months

Works are in progress. Substantial completion has been scheduled for the last week of April, 2018

❖ ***Construction of a double carriageway underpass at Ashaiman and ancillary works***

Preliminary studies are ongoing.

❖ ***Construction of a bridge at Nalerigu in the Northern Region***

Four (4) names of Contractors have been submitted to the Ministry of Roads and Highways (MRH) for approval to procure the works using Restricted Tendering. The bridge will be a reinforced concrete bridge.

❖ ***Replacement of damaged bridge on the Bimbilla – Jilo road***

A request for approval to sole source the works has been made to the MRH.

❖ ***Construction of the Oterkpolu and Okwenya Bridges***

GHA is putting together a request for submission to the MRH for approval to procure the works.

- ❖ **Request for supply of 3000m Modular Panel Bailey Bridge for Emergency works**
Request for supply of Bailey bridge components was approved by MRH. MRH has submitted to the Ministry of Finance (MoF) an Indicative Financial Terms for UK Export Direct loan facility for their consideration.
- ❖ **Construction of Bolgatanga – Bawku - Polimakom road (116.1km)**
Draft final Design was submitted to GHA for review. Review has been undertaken and the Contractor has been asked to revise the span of the bridges from 16.7m to 26m minimum.

4.3.1 Bridge Maintenance Unit – Activities

- ❖ Repair of the Buipe Bridge. Progress is 100%
- ❖ Repair of the Yapei Bridge. Progress is 100%
- ❖ Repair of the Garu Bridge. Progress is 20%
- ❖ Repair of Kulungugu Bridge. Progress is 25%

4.3.2 Consultancy Services for the Inventory and Condition Survey of Ghana Highway Authority Bridges

The project has been divided onto four lots. Procurement of Consultants has been completed. Preparation of Contract document has been completed and waiting signing.

Lot 1 will be undertaken by Messrs Delin Consult. Messrs Delin Consult has submitted their Draft final report to GHA. Review of the Draft final report is ongoing.

Lot 2 will be undertaken by Messrs Associated Consultants Limited. Messrs Associated Consultants Limited has submitted their Draft final report to GHA. Review of the Draft final report is ongoing.

Lot 3 will be undertaken by Messrs Comptran Engineering Planning and Associates. Messrs Comptran Engineering Planning and Associates has submitted their interim report to GHA. Review of the interim report is ongoing.

Lot 4 will be undertaken by Messrs Hag Consults. Messrs Hag Consults has submitted their inception report to GHA. Review of the inception report was completed within the second quarter.

4.2 Contracts Division

Budget for the year

The total budgetary provision for all the projects this year is Two Hundred and Twenty Two Million, Two Hundred and Seventy-Seven Thousand, Four Hundred and Eighty Nine Cedis, and Twelve Ghana Cedis- Twelve Pesewas (**GHC 222,277,489.12**). It covers an aggregate of 194.90km of the trunk road sections in Ghana, which are either under rehabilitation or being improved to provide a satisfactory level of service to the motoring public.

On-Going Projects

There are currently Fifty five (55) ongoing road projects. Forty of these are being funded by Government of Ghana (GoG) and the remaining fifteen (15) by Development Partners, namely BADEA, IDA, AfDB, KfW, EU, SAUDI Fund and ECOWAS.

As of March 31st, 2017, Five (5) projects have been completed and Fifty (50) were in progress and at various levels of completion.

The status of ongoing development projects are shown in Appendix B.

Procurement

No new projects commenced in the course of the reporting period. However, the Division in the reporting period assessed some Danish Contractors who applied to be pre-qualified for Construction of Bridges in the Northern Regions. Their documents were evaluated and two Danish Contractors were pre-qualified on merit. Tender Documents will soon be furnished to these Contractors and the most competent one selected to implement the works.

Projects Substantially Completed Over the Period

The following projects were substantially completed and were handed over to the Authority in the quarter under review.

- Construction of Oil and Gas Enclave Roads(Construction of 10Km road along the pipe-line including the Amazure Bridge) – Funded by Ghana Gas Company
- Rehabilitation of Tarkwa - Bogoso - Ayamfuri Road(94.4km): Tarkwa Bogoso Section (30km) – Funded by European Union (EU)

4.3 Materials Division

The Materials Division of Ghana Highway Authority is made up of five (5) sections namely:

- ✚ Soils and Aggregates
- ✚ Foundations
- ✚ Pavement
- ✚ Bituminous Products
- ✚ Research

All these sections in addition to their peculiar assignments train newly recruited engineers, students on industrial attachment and National Service Personnel.

The Soils and Aggregates Section undertook the following

- Testing of construction materials and causes of distresses on roads and structures.
- Laboratory analysis and research into the use of new materials and chemicals, to ascertain their effectiveness in the improvement of road pavement materials.
- Concrete Mix designs

The pavement section conducted the following activities;

- Evaluation of the performance of some existing pavements
- Review of progress reports from road projects
- Performed deflection tests on the following roads:
 - a) Kyebi Town and Koforidua Municipality Roads for DUR
 - b) Ho Airport
 - c) Kotoka International Airport Terminal 3 Project

The foundation section reviewed of progress reports from the following road projects

- ✚ Review of progress reports from road projects

Bituminous Products

The Bituminous Products Section undertook the following activities during the quarter under review:

- Review of progress reports from road projects
- Tests on bitumen samples and asphalt mixes submitted by Bitumen Marketers, Contractors and Consultants.
- Asphaltic Concrete mix designs checks for selected roads in the Brong Ahafo Region, core density tests on some portions of Urban Roads in Accra, Tema, Takoradi and Ho Town Roads

Table 23 shows the details of various test that were carried out during the quarter

Table 23: Materials Test Results**TREND OF INTERNALLY GENERATED FUND - 1st QUARTER, 2018**

| SOURCE | MONTH | | | No. OF TESTS | AMOUNT IN Gh. CEDIS | | | TOTAL IN Gh CEDIS |
|---------------------------------|------------|------------|-----------------|--------------|---------------------|------------------|-------------------|-------------------|
| | JANUARY | FEBRUARY | MARCH | | JANUARY | FEBRUARY | MARCH | |
| Concrete test | 257 | 313 | 406 | 976 | 7,710.00 | 9,390.00 | 12,170.00 | 29,270.00 |
| Shmidt Hammer | - | - | 3 | 3 | - | - | 120.00 | 120.00 |
| Pavement Investigations | 0 | 1 | 1 | 2 | - | 14,190.00 | 40,827.00 | 55,017.00 |
| Aggregate tests | 6 | 9 | 5 | 20 | 1,525.00 | 3,165.00 | 4,855.00 | 9,545.00 |
| Bitumen Tests | 13 | 15 | 12 | 40 | 13,220.00 | 11,930.00 | 27,575.00 | 52,725.00 |
| Soils tests | 7 | 11 | 3 | 21 | 4,680.00 | 11,350.00 | 16,490.00 | 32,520.00 |
| Equipment Calibration | 0 | 0 | 0 | 0 | - | - | - | - |
| Foundations & Geotechnical Inv. | 0 | 1 | 1 | 2 | - | 3,000.00 | 6,560.00 | 9,560.00 |
| GRAND TOTAL | 283 | 350 | 430.6667 | 1064 | 27,135.00 | 53,025.00 | 108,597.00 | 188,757.00 |

Source: GHA Materials Divisions March 2018

4.4 Planning Division

The Planning Division is responsible for the planning of the trunk road network and the establishment of reliable traffic data base in the country. The Division is also responsible for the initiation, identification, and preparation and monitoring of all GHA development projects and road project components of all regional corridor programmes involving Ghana and other countries in the sub-region. Additionally, the Division provides the main link between the Authority and Development Partners for the efficient coordination of road projects and related facilities.

Generally the objectives of the road projects are to reduce poverty and boost economic development by reducing road accidents, travel time and Vehicle Operating Cost (VOC). This result in reduced road user cost for both passengers and freight.

The Planning Division in pursuance of the foregoing operates through the following sections:

- ✚ Strategic Planning, Monitoring and Evaluation(SPME)
- ✚ Development Project Planning(DPP)
- ✚ Public Private Partnership(PPP)
- ✚ Transportation Economics (TE)

Strategic Planning, Monitoring & Evaluation (SPME)

- Preparation of corporate planning including the development, implementation and monitoring of GHA strategic plan
- Road network planning including development of comprehensive maps of the entire highway network and review of the highway classification system from time to time
- Road data Collection and analysis and traffic projections
- Monitoring and Control of GHA plan during year of performance
- Monitoring and Control of development and Maintenance of projects
- Evaluation of project

Development Project Planning (DPP)

- Road reservation management
- Development project planning including preparation of Terms Of Reference(TOR) for prefeasibility, feasibility and detailed engineering studies
- Selection of Consultants
- Liaise and addresses concerns of Funding agencies to prepare development projects and meeting the progress on donor funded projects.

Public Private Partnership (PPP)

This section assists in:

- Planning, mobilization and implementation of PPP projects according to national laws and regulation through coordination with the Ministry of Roads and Highways and Ministry of Finance on all issues relating to PPP.
- Involved in corporate finance including appraisal of economic viability of Internally Generated Fund opportunities

Transportation Economics (TE)

- design of policies to guide development of a balanced transportation system that in turn would promote public transport and protect the environment and enhance the safety of communities
- review existing transport policies, strategies and development programs and ensuring that the transport development are suitable, and would improve transport systems of the country on the continuous basis in harmony with growth
- conduct transport studies to develop comprehensive long term transportation plans, which support the needs of the economic development of Ghana
- prepares the Authority's Capital Investment Budgets, Performance Contract and monitoring of budget performance and performance contract targets.
- Undertakes the collection of transport economic data and maintains the analysis input data for the Highway Design and Maintenance Model(HDM-4)

Table 24 shows the number of Consultancy Services for design studies, Technical Assistance and works supervision accomplished within the quarter.

Details of statuses of on-going Consultancy on on-going projects are as shown in Appendix C

Table 24: Consultancy Services Accomplished During the Quarter

| Agency | Design Studies/ Technical Assistance | Design & Construction Supervision | Remarks |
|--------------------------|---|--|--|
| World Bank | 3 | 6 | One(1) is suspended, four(4) is in defect liability state and four(4) is on-going, |
| Danida | | 2 | one (1) suspended, one (1) are on-going |
| AfDB | | 3 | Two (2) project has being taken over, one (1) submitted final report |
| Brazilian Funded Project | | 1 | Project is on-going |
| ORIO | | 1 | On-going |
| JICA | | 2 | All project is on-going |
| GOG | | 5 | On-going. |
| PPP | 3 | | All project is on-going |

Source: GHA Planning Division March 2018

4.5 Quantity Surveying Division

4.5.1 Interim Payment Certificates

A total of 198 certificates were vetted and passed at the close of the first quarter of the year 2017.

The breakdown is as follows:

- ✚ 21 Development Projects
- ✚ 177 Maintenance Projects

Table 25 gives details of certificates that were vetted and corrected.

Table 25: Certificates Vetted & Corrected

| IPC | Project | Submitted Amount | Corrected Amount |
|-----|--|------------------|------------------|
| | | GH¢ | GH¢ |
| 6 | Rehabilitation of Bolga – Bongo, Winkongo – Navrongo –Tono Roads | 6,457,650.54 | 6,054,030.57 |
| 1 | Regravelling of Insu Junction – Oppong Valley Road – Lot 1 | 1,096,624.49 | 998,594.36 |
| 1 | Regravelling of Insu Junction – Oppong Valley Road – Lot 2 | 913,558.60 | 865,950.85 |
| 23 | Rehabilitation of Nkawkaw - Atibie Road | 6,181,895.97 | 5,384,343.64 |
| | | US\$914,420.74 | US\$24,810.51 |
| 25 | Rehabilitation of Nkawkaw - Atibie Road | 3,594,203.50 | 3,453,692.46 |
| | | US\$725,425.18 | US\$129,232.92 |
| 26 | Rehabilitation of Nkawkaw - Atibie Road | 5,652,888.64 | 5,126,534,.61 |
| | | US\$213,016.29 | US\$191,985.23 |
| 27 | Rehabilitation of Nkawkaw - Atibie Road | 2,512,720.71 | 2,390,116.16 |
| | | US\$91,811.05 | US\$85,201.13 |

| | | | |
|-----|--|-------------------------|-----------------------|
| 2 | Pothole Patching and Shoulders repairs on Cape Coast – Twifo Praso Road | 415,268.27 | 412,018.27 |
| 4 | Partial Reconstruction of Agona Swedro - Bawjuase Road | 2,951,993.09 | 1,881,946.53 |
| 1 | Construction of U – Drain on Bekwai – Adansi – Praso Road | 176,285.42 | 163,933.39 |
| 2 | Upgrading of Tamale - Karaga Road | 3,639,344.14 | 3,555,012.84 |
| 1 | Construction 1 No. Pipe Culvert on Missiga - Garu Road | 31,138.05 | 30,524.51 |
| 4 | Upgrading of Tamale - Karaga Road | 133,618.76 | 122,013.22 |
| 1 | Construction of U – Drain on Oda – Amamfopong Road | 186,919.57 | 185,968.57 |
| 11A | Upgrading of Walewale - Gambaga Road | 3,154,549.17 | 3,134,995.49 |
| 4 | Pothole Patching and Shoulder Repairs on Juabeng/Effiduase Town Roads | 266,048.27 | 255,048.27 |
| 7 | Resealing/Partial Reconstruction of Abura - Dunkwa Road | 125,140.64 | 118,649.64 |
| 2 | Pothole Patching and Shoulder Repairs on Kyeremasu – Dormaa Ahenkro Town Roads | 211,03.18 | 209,835.37 |
| 2 | Pothole Patching and Shoulder Repairs on Agona-Swedru – Ajumako-Mankessim Road | 148,449.02 | 126,705.54 |
| 5A | Reshaping of Aboabo – Asikuma Road – Lot 13 | 324,932.28 | 321,412.66 |
| 3 | Resealing of Wa – Nadoli - Jirapa Road – Lot 2 | 425,724.56 | 425,345.24 |
| 4 | Pothole Patching and Grading of Shoulders on Koforidua - Suhum Road | 226,953.02 | 222,288.32 |
| | TOTAL | 38,615,906.71 | 30,312,425.90 |
| | | US\$1,944,673.26 | US\$431,229.79 |
| | Savings | | 8,303,480.81 |

Source: GHA Quantity Surveying Division March 2018

4.6 Road Safety & Environment Division

The Division has responsibility for the following areas

- ✚ Road Safety Unit
- ✚ Environmental Management Unit
- ✚ Axle Load Unit

4.6.1 Road Safety Unit

The unit undertook the following activities in the quarter under review through the zonal managers and two Engineers at the head office in charge of road furniture, road safety audit and accident investigation & analysis:

4.6.1.1 Western & Central Region

- Road safety assessment on Kasoa – Bawjiase road.
- Road safety assessment on for speed humps on Winneba – Winneba junction road.
- Supervision of road line marking on Asemama – Takoradi road, (lot 1).
- Road safety assessment on for speed humps on Bogoso – Ayamfuri road.
- Supervision of road line marking on Agona – Busua – Busua road.
- Supervision of speed hump construction at Ahmey, Abuawonidua, Appeakrom and Dansokrom.
- Supervision of installation of Safety devices at Sefwi Wiaso (Lot 6)
- Handing over of site for installation of Safety devices at Sefwi Wiaso, Asempaneye & Ntoso.
- Safety assessment for location of site for installation of speed humps at Benchema barrier and Asafo (Lot 11)
- Road Safety assessment on Apimanim – Elubo road for provision of safety devices.

4.6.1.2 Eastern & Volta Region

- Inventory for road furniture and Supervision of installation on Partial reconstruction of Koforidua – Bonsu road project.
- Inventory for road furniture and Supervision of installation on Partial reconstruction Adoagyiri – Adeiso & Adeiso town roads and access to Cocobod warehouse project.

4.6.1.3 Ashanti & Brong Ahafo Region

- ✚ Road safety assessment on Kumasi - Offinso road.
- ✚ Supervision of Road line marking on Kumasi - Anwiankwanta road (9km).
- ✚ Supervision of provision and installation of crash barriers on Mampong scarp (3Km).
- ✚ Road line marking on Kumasi-Sunyani road (18Km) ongoing.
- ✚ Supervision of construction of strip using tropical reflective road line marking paint 6 No at Kona.
- ✚ Supervision of construction of rumble strip using reflective road line marking paint 9 No at Bekwa- Cape Coast road completed.

4.6.1.4 Northern, Upper East & Upper West Regions

Possession of site and supervision of the underlisted projects;

- ✚ Construction and installation of Road Safety devices on Tamale – Buipe Road, Lot 1
- ✚ Construction of 9 No. Traffic calming devices at Sawla, Damongo Axle Weighing Bridge stations & Bawa barracks
- ✚ Construction of 10 No. Traffic calming devices on Tamale – Tolon Road
- ✚ Construction and installation of Road Safety devices on Tamale – Buipe Road, Lot 3
- ✚ Monitoring of Work zone safety on the under listed projects:
 - Wa – Walewale road
 - Tumu – Han – Lawra road
 - Walawale – Gambaga – Nakpanduri road
 - Yendi – Oti Damanko road

4.6.1.5 Head Office Region

- ✚ Construction supervision of ongoing 4 street lighting project stated below:
 - Mallam Junction – Ksoa - Greater Accra Region
 - Pantang Junction – Aburi – Greater Accra Region
 - Abedi Pele roundabout – Shishagu – Nyankpala Road – Northern Region
 - KNUST junction - ...Kumasi – Ashanti Region
- ✚ Assessment of performance of Regional solar street light constructed under FLECK 1 project scheme.
- ✚ Monitoring of general safety and traffic management plan at Accra - Tema motorway tunnel project site.
- ✚ Retro – reflectivity exercise on trial sections projects below;
 - Road line Marking On Yamoransa – Assin Praso Road (Km 40-60) (Lot 3)
 - Road line Marking On Agona - Dixcove & Busua Junct - Busua Rd. (Lot 1)
 - Road line Marking On Yamoransa – Assin Praso Road (Km 60-80) Lot 4
 - Roadline Marking On Kumasi - Dadieso Rd. Lot 1 (Km 0 - 18)
 - Installation of Road Safety Devices on Mampong - Kumasi Rd. Lot 1
 - Construction of Speed Calming Devices On Kumasi - Anwiankwanta - Hwiremoase Rd. Lot 6
 - Road Line Marking On Kumasi - Mampong - Ejura Rd. Lot 1 (Km 0-18)

4.6.2 Environmental Management Unit

The Unit is responsible for integrating Environmental and Social issues into the road/bridge planning, development and maintenance processes. The Unit ensures that EIA/SIA are considered at the initial planning stages, develop guidelines, checklist and procedures for the EIA/SIA processes, coordinate with consultants to ensure that the EIA/SIA procedures are followed in obtaining permits and also supervise and monitor during the preconstruction, construction and post construction stages.

The Unit also continued to educate Contractors during site meetings on the need for them to develop and adhere to their company's' ESMPs to help implement environmental and social issues on their projects. The ESMPs are monitored through site visits and project meetings.

4.6.2.1 Training and Workshop

The Unit participated in a training programme organised by JICA through IDEA Consultants, Inc. at the JICA Tokyo International Centre in Japan from the 23rd of January to the 15th of February 2018. The main objective of the program was to help participants deepen their understanding mainly on the environmental aspects of Environmental and Social Considerations (ESC) and also enhance their capacity to practice ESC.

The Unit also participated in a 2-day workshop organised by the World Bank on the new Environmental and Social Management Framework. The objective of this workshop was to enhance the capacity of Borrowers' environmental and social frameworks to assess and manage the environmental and social risks and impacts of projects.

4.6.2.2 RAP Implementation on World Bank Funded Projects

Ayamfuri – Asawinso Road Project (Transport Sector Project)

The Unit joined the World Bank Supervision Missions including field visits to the Ayanfuri – Asawinso (TSP) road projects to assess the status of the works contract and implementation of the Resettlement Action Plans.

4.6.3 Axle Load Control Programme

Sixteen (16) out of the Eighteen (18) stations were operational during the quarter under review. The operations at all the weighbridge stations are detailed in Table 26 below.

4.6.3.1 Mobile Vans

Five (5) out of the eight (8) Mobile Weighing Vans functioned effectively during the reporting period. These vans operated in the Ashanti, Western, Upper East, and Greater Accra Regions. The remaining three had challenges with the vehicles and the weighing equipment.

4.6.3.2 High Speed Weigh In Motion (HSWIM)

Nine (9) HSWIM have been installed at Tema, Dawa, Nsawam, Elmina, Bolgatanga, Agona Junction, Boankra, Akom and Ngleshie Amanfrom. Four (4) out of the nine sites, namely; Ngleshie Amanfrom, Dawa, Elmina and Bolgatanga functioned effectively during the period under review.

Table 26: Status of Permanent Weighbridge Stations (PWS)

| Town/City | Location | Strategy | Status | Remarks |
|-------------------|--|-------------------|------------|---|
| 1. Tema | Aflao-Elubo road (Coastal Corridor) | Corridor/cordon | Privatised | Operational. Relocation to a new section on the Motorway almost complete. |
| 2. Afienya | (Eastern Corridor) | Corridor/cordon | Privatised | Operational. |
| 3. Asuoyeboah | | Corridor/cordon | Privatised | Operational. Parking Area required |
| 4. Yapei | Tema – Paga Road (Central Corridor) | Corridor | Privatised | Not Operational. Mobile Weighing Van is being used |
| 5. Bolgatanga | Tema – Paga Road (Central Corridor) | Corridor | Privatised | Operational. |
| 6. Elmina | Aflao-Elubo road (Coastal Corridor) | Corridor | Privatised | Operational. |
| 7. Agona Junction | Aflao-Elubo road (Coastal Corridor) | Corridor | Privatised | Operational. Additional parking space required. |
| 8. Bogoso | (Western Corridor) | Corridor /Hotspot | Privatised | Operational. Rehabilitation of driveway and parking area required. |
| 9. Offinso | Tema – Paga Road (Central Corridor) | Corridor/cordon | Privatised | Operational. |
| 10. Boankra | Tema – Paga Road (Central Corridor) | Corridor/cordon | - | Operational. |
| 11. Akatsi | Aflao-Elubo road (Coastal Corridor) | Corridor | Privatised | Operational. Rehabilitation of driveway and parking area required. |
| 12. Mim | | Hotspot | Privatised | Operational. |
| 13. Sefwi Bekwai | | Hotspot | Privatised | Operational. |
| 14. Asokwa | | Corridor | Privatised | Operational. Renovation works halted due to inadequate funding |
| 15. Jema | Tema – Paga Road (Central Corridor) | Corridor | Privatised | Operational. |
| 16. Sawla | Fulfusu-Sawla | Corridor | | Equipment not functioning Mobile pad currently in use |
| 17. Damango | Wa-Sawla | Corridor | | Operational. |
| 18. Aflao Border | | Hotspot | | Not Operational |

Source: Road Safety & Environment Division March 2018

4.6.3.3 Portable Weighing Scales

Portable scales were deployed at Doboro, New Akrade and Adidome for 24-hour monitoring of axle loads on the Ofankor – Nsawam, Tema - Akosombo and Sogakope - Adidome Roads respectively.

4.6.3.4 Axle Load Control at the Ports

The axle weighers and portable weighing pads located at the Tema and Takoradi Ports were operational during the reporting period. Additional axle weigher is required at the Golden Jubilee Terminal to control over loading of trucks loading from that terminal.

4.6.3.5 Statistics from the Axle Load Stations

A total number of 21,398 trucks were weighed during the quarter under review. Out of this, 702 trucks were overloaded. The analysis of data from the Permanent Weighbridge Stations is provided in Figures 3 and 4 the data used for the analysis is gross weights of vehicles weighed at all the permanent weighbridge stations. The analysis showed that, 3.28% of total vehicles weighed were overloaded.

The Figure 3 illustrates the monthly overloading trend from January to March, 2018. The trend showed an increase in overloading from 3.01% in January to 4.43% in February and a decline to 2.12% at the end of March. However, the average percentage of overloaded vehicles at the end of the first quarter was recorded as 3.19%.

The levels of overloading at the permanent weighbridge stations along the various corridors during the first quarter are presented in Figure 4. The trend showed that, the level of overloading recorded at Boankra, Jema and Mim during the period under review was high. Damango recorded the highest percentage of overloading with only twenty-three (23) trucks weighed. Education and sensitization would be intensified to reduce the general increasing trend of overloading.

Figure 3: Overloading Trend - 1st Quarter, 2018

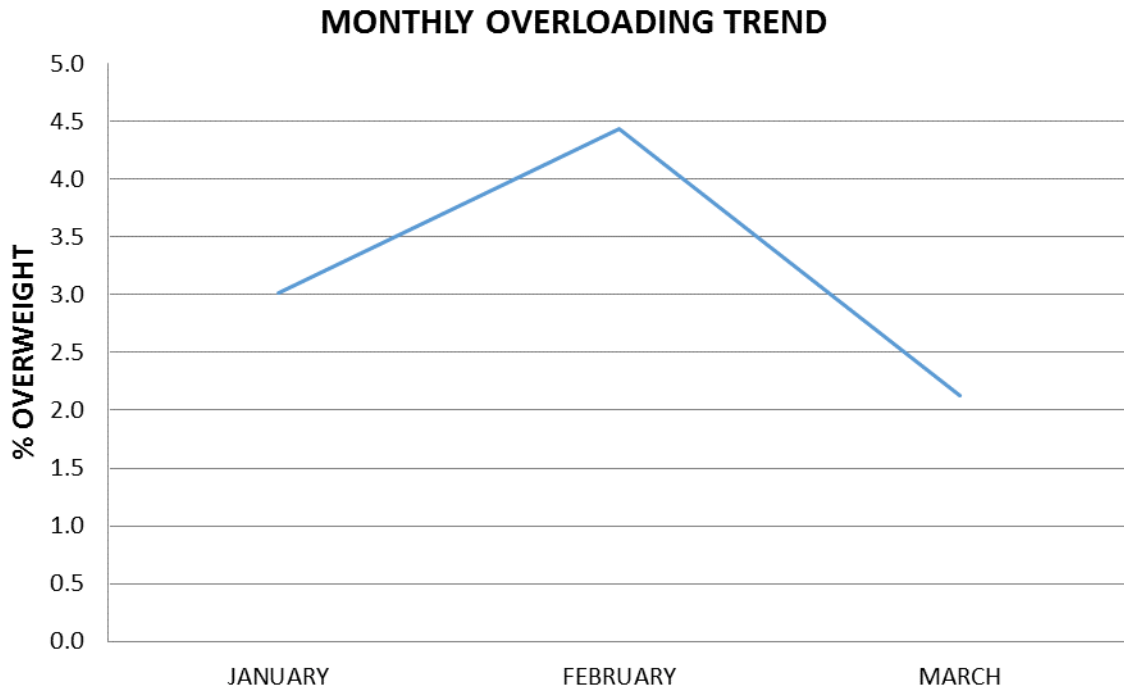
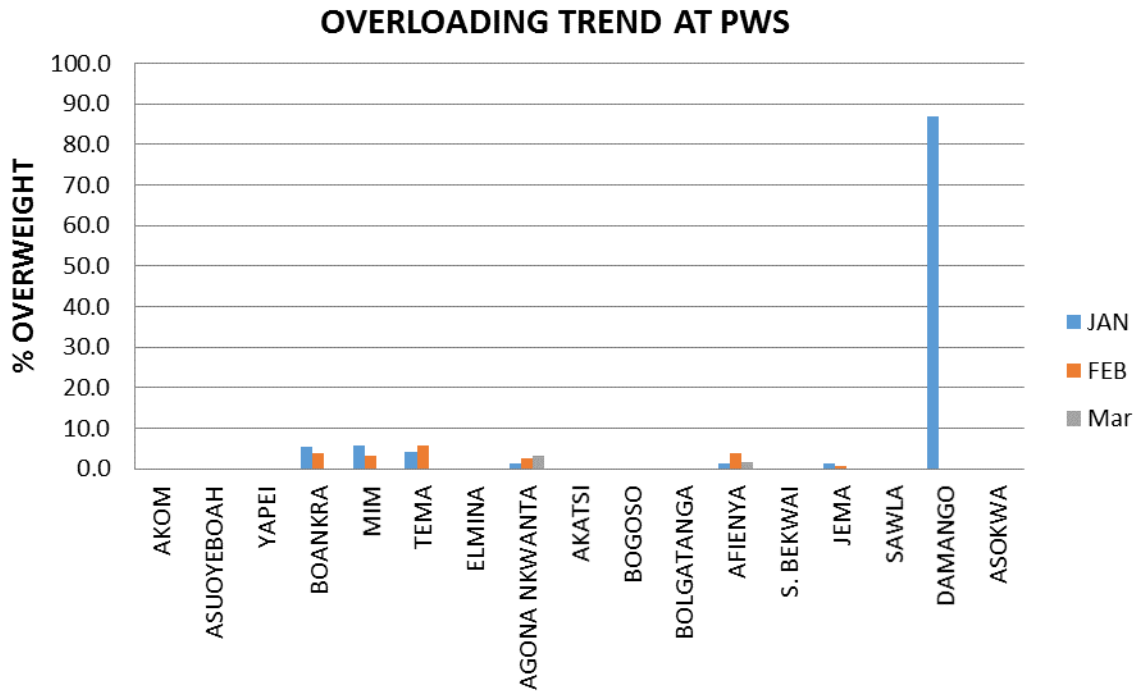


Figure 4: Comparison of Monthly Overloading Trend at PWS



Source: Road Safety & Environment Division March 2018

4.7 Survey & Design Division

The following areas of activities that the Division covered:

- Topographical Survey
- Road Geometric Design
- Right-of-Way Clarification
- Review and Checking of Design Drawings
- Site Meeting Attendance
- Site Inspections

4.7.1 In-House Survey and Design Works & Review

The following Design drawings are still ongoing:

- Sectional repairs & Asphaltic overlay of Abuakwa – Tapa Junction Road (N6/06) (km 0+000 – 22+025)

2.5 Field Verification

- Topographic survey and Design of the proposed underbridge on the Klagon – Ashaiman road

Survey and Design activities were carried out for the following roads:

- **Decongestion of Ejisu to KNUST section of the N6.** Contractors are working on the diversion routes. Design is ongoing.
- **Topographic Survey & Design of the proposed bridge at Asuoyaa on the the Aburi – Koforidua road (N4)**
- **Relocation of Accra – Tema Motorway Axle load station.** Design has been completed and MMU II is carrying out the construction. The survey team has also been carrying out all related setting – out works on the site.
- **Construction of tunnel to link Spintex and East Legon.** Construction is on-going (80% complete)
- **Kasoa – Budumburam decongestion exercise.** The Conceptual design has been completed. Detailed design is however, about to commence.
- **Geometric Design of the Anyinam – Kwabeng road (1.2 km)**

CHAPTER FIVE

5.0 Conclusion

As reported in the last report, The Ghana Highway Authority in its 2000 – 2015 strategic plan proposed to achieve a road network condition mix of 70% good, 20% fair and 10% poor. With a projected improvement rate of about 7% per annum, it was envisaged that by the close of December 2015, the target road surface condition mix of 70% good, 20% fair and 10% poor would be achieved with adequate injection of resources. The road condition mix for the year 2015 stood at 58% good, 36% fair and 7% poor.

Due to inadequate funding from the Central Government in the area of expenditure under Goods and Services, Salary and Non Salary Related Allowances, the IGF potentials within the jurisdiction of Ghana Highway Authority (GHA) should be strictly and assiduously harnessed. This is to ensure that the Authority gets adequate funding to meet expenses to reduce tension in the System.

The Government has decided to introduce Revenue capping for Agencies including GHA to reduce Internally Generated Revenue to these Agencies.

To this end, GHA will have a reduction of about 34% of its IGF given to the Central Government. The effect is that, GHA's financial resource envelope will be affected greatly. This will lead to further accumulation of debts to Service Providers and also affect the operations of the Authority

5.1 The Way Forward

The Authority as always will strive to continue to uphold its set objectives, which are measurable, relevant, specific, achievable and consistent to its mission statement. The following objectives have been set out in the way forward

- ✚ Improving Road Condition by improvement and maintenance of the trunk road network
- ✚ Enforce Axle Load control laws to protect the investments made in roads.
- ✚ Open new Toll stations to ensure that funds are readily available for road maintenance
- ✚ Reducing Accident Fatalities on the trunk road network through improvement of safety measures
- ✚ Reducing Travel Time on heavily trafficked trunk road sections through grade separation.
- ✚ Ensuring that road development and maintenance programmes are executed with environmental and social mitigation measures

- ✚ Adequately recruiting, training and motivating all categories of requisite staff and providing the needed logistics to undertake the services.
- ✚ Take practical steps to reduce energy consumption.

Key Performance Indicators

Ghana Highway Authority under the SOE Performance Contract signed between the Authority and Government of Ghana is evaluated at the end of the Performance Contract period. The evaluation is based on four areas of performance. These are in the Financial/Economic, Efficiency/Productivity, Dynamic Effects and Management/Projects areas.

A performance index score, which is a measure of the overall performance using agreed performance indicators and weights are given to them based on their relative importance. The scoring process is therefore based on the Financial/Economic, the Dynamic Effects and Management Improvements/Projects indicators using the negotiated weights.

The Authority evaluates its performance at the end of every quarter following the four areas of performance. Table 27 below shows the status of GHA Performance Matrix categorized into the four areas of performance as at March 2018.

Table 27: Status of 2018 Performance Matrix Quarterly Monitoring Indicators (1st Quarter)

| Performance Monitoring Indicators | Units | Targets (Approved) | Jan-March (Actual) | April-May (Actual) | July-Sept. (Actual) | Oct.-Dec. (Actual) | Total % Achieved, 2018 | Remarks |
|--|-------------|-------------------------|-----------------------|--------------------|---------------------|--------------------|------------------------|---|
| A. Financial/Economic | | | | | | | | |
| 1. Total Revenue of which | | | | | | | | |
| (a) Compensation of Employees | GH e | 25,675,286.00 | 6,023,653.05 | 0.00 | 0.00 | 0.00 | 23.46 | |
| (b) Goods and Services | GH e | 585,060.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| (c) (i) Road Fund | GH e | 80,000,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| (ii) Road Fund Arrears (31st Dec, 2017) | GH e | 405,011,353.80 | 65,637,702.05 | 0.00 | 0.00 | 0.00 | 16.21 | |
| (d) Consolidated Fund (arrears as at 31st Dec, 2017) | GH e | 968,485,430.00 | 46,400,979.99 | 0.00 | 0.00 | 0.00 | 4.79 | |
| (e) Donor Funds | GH e | 126,178,931.00 | 75,538,199.58 | 0.00 | 0.00 | 0.00 | 59.87 | |
| (f) Other funds- Annual Budget Funding Amount (ABFA) | GH e | 89,842,952.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| (g) Total Revenue | GH e | 1,695,779,012.80 | 193,600,534.67 | 0.00 | 0.00 | 0.00 | 11.42 | |
| (h) Internally Generated Revenue | GH e | 15,129,959.00 | 3,058,064.00 | 0.00 | 0.00 | 0.00 | 20.21 | |
| 2. Internally generated revenue / Total Revenue | % | 0.89 | 1.58 | | | | 1.58 | |
| 3. Internally generated revenue / Recurrent Expenditure | % | 0.24 | 17.83 | | | | 17.83 | |
| B. Efficiency/Productivity | | | | | | | | |
| 1. Staff cost/Total Revenue | | | | | | | | |
| | % | 1.51 | 3.11 | | | | | |
| 2. Staff cost/Internally Generated Revenue | | | | | | | | |
| | % | 169.70 | 196.98 | | | | | |
| 3. Improve trunk road condition mix | | | | | | | | |
| : Good | % | 55 | 57 | | | | | 2016 Road Condition Report. 2017 RCR not issued. |
| : Fair | % | 36 | 36 | | | | | |
| : Poor | % | 9 | 7 | | | | | |
| 4. Labour strength | | | | | | | | |
| | No. | 1,700.00 | 1,275.00 | | | | 1,275.00 | |
| C. Dynamic Effects | | | | | | | | |
| 1. Staff training | | | | | | | | |
| (a) Submission of 2017 budgeted training programme | | | | | | | | |
| | Month | February | February | | | | | |
| (b) Implementation of budgeted training programme | | | | | | | | |
| | % | 100 | 8.34 | | | | | |
| 2. Corporate Planning | | | | | | | | |
| Submission of updated Corporate Plan (2017 – 2037) | | | | | | | | |
| | Month | November | | | | | | 2017-2037 Strategic Plan completed and submitted. |
| 3. Road Maintenance Programme | | | | | | | | |
| (b) Implementation of | | | | | | | | |
| i) Routine Maintenance Programme | % | 80 | 58.65 | | | | | |
| ii) Periodic Maintenance Programme | % | 80 | 30.58 | | | | | |
| iii) Minor works Programme | % | 40 | 137.49 | - | | | | |
| 4. Road Safety Management | | | | | | | | |
| (a) Submission of 2018 Road Safety Management Programme | | | | | | | | |
| | Month | January | - | - | - | | | submitted |
| (b) Implementation of Road Safety Management Programme | | | | | | | | |
| | % | 100 | 0 | 0 | 0.00 | | 0.00 | No funds released |
| D. Management Improvement/Projects | | | | | | | | |
| 1. Submission of Quarterly Reports | | | | | | | | |
| | Weeks | 6 | 8 | - | - | | | |
| 2. Conformance to SEC Report Format | | | | | | | | |
| | No. | 6 | 6 | | | | 100.00 | Conforms to SEC report format |
| 3. Submission of 2017 Audited Accounts & Budget | | | | | | | | |
| | Month | March | - | - | - | | | 2017 Draft Audit Report is yet to be issued by GHA's external auditors. |
| | Period | October | - | - | - | | | Submitted |
| 4. Submission of minutes of integrated SEC Minutes | | | | | | | | |
| | Weeks | 1 | - | - | - | | | Pending |
| 5. Submission of minutes of integrated SEC Database forms | | | | | | | | |
| | Month | June | - | - | - | | | |
| 7. Accuracy & Completeness of filled out SOE Database forms | | | | | | | | |
| | % | 90 | - | - | - | | | |
| 8. Holding of Annual Open Day | | | | | | | | |
| | Month | August | - | - | - | | | Pending |
| 9. Submission of 2018 Procurement Plan | | | | | | | | |
| | Month | December | - | - | - | | | Submitted |

Source: GHA Planning Division March 2018

5.2 Constraints

Reduced Budget Allocation

Since 2012, the Subvention release to GHA has been dwindling, from the beginning of the year to date the Authority has not received any subvention from Ministry of Finance for Goods and Services.

The budget for IGF is GH¢15m and GHA continues to pay 34% of the IGF money to the Ministry of Finance as part of the government policy.

Inadequate Staff

The current staff strength is 1,275 as against the establishment of 2,526. This means the authority is operating at 50% capacity which is a great toll on some technical staff.

The technical staffing situation has become critical in some divisions and regional offices. Most of divisions are under-staff in both technical and non-technical staff.

Should this trend continue without vigorous implementation of the GHA replacement plan, the staff will reduce so drastically that the Authority may not be able to meet its strategic objectives in the foreseeable future.

Other major constraints facing the Authority are categorized below:

- ✚ Over age vehicles in all the Departments of the Authority
- ✚ Urgent need for Laboratory Equipment for Materials Division to carry out test for the public to generate IGF and as well for their normal operations.
- ✚ Poor contractor capacity and performance.
- ✚ Delay in payment of compensation due to long valuation procedures and inadequate budgetary allocation.
- ✚ Inadequate release of funds for Recurrent, Investment and Capital Investments.

5.3 Recommendations

Recruitment of Staff

The Authority should be given approval to recruit and train all manner of staff needed to be able to meet all its strategic plans.

Training of Staff

There is a need for periodic technical training of all categories of staff within the Authority through local/overseas short courses, workshops and further studies, to improve their skills to enhance their output and to discharge the various multifaceted tasks that must be addressed by the Authority.

Hardware and Software Needs

There is an urgent need for the Authority to acquire state of the art software for most of the divisions to bring efficiency in work output.

5.4 Conclusion

Despite all these challenges GHA continues to discharge its duties creditably. The GHA will also continue with its programs for the maintenance, rehabilitation and reconstruction of sections of the network to ensure reasonable level of service. The Ghana Highway Authority requires support from our development partners and GOG to be able to implement planned and approved programs.