

# DISTRICT ASSEMBLIES COMMON FUND

Our Ref: DACF/ADM/21/34

Your Ref:.....

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23<sup>rd</sup> June, 2017

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**THE CLERK TO PARLIAMENT  
PARLIAMENT HOUSE  
ACCRA**

## **RE: 2017 DISTRICT ASSEMBLIES COMMON FUND FORMULA**

We present two hundred and seventy five (275) copies of the 2017 District Assemblies Common Fund Formula for your consideration.

The printed copies would be forwarded to you for distribution to all Members of Parliament as and when it is done.

Counting on your co-operation.

  
**HON. IRENE NAA TORSHIE ADDO  
(ADMINISTRATOR)**

CC: The Hon. Minister  
Ministry of Local Government  
And Rural Development  
Accra



REPUBLIC OF GHANA

**2017**  
**DISTRICT ASSEMBLIES COMMON FUND**  
**FORMULA**

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## EXECUTIVE SUMMARY

### 1.0 INTRODUCTION

The 1992 constitution, under article 252 and section 129(a) of the Local Governance Act 936 of 2016, (Act 455 Repealed) imposes an obligation on the Administrator of the District Assemblies Common Fund to present to Parliament a Formula for the distribution of monies allocated by Parliament for the Assemblies every year. The Fund is to be distributed among the Assemblies on the basis of a formula proposed by the Administrator of the Fund and approved by Parliament.

#### CHANGE IN FUNDING POLICY

The funding rate for 2017 fiscal year is 5% of total tax revenue of the country.

This policy change is due to the capping of transfers to earmarked funds to 25% of tax revenues as contained in the Budget Statement and Economic Policy of Government for 2017.

### 2.0 SUMMARY OF ALLOCATION

The total allocation for the year is therefore based on 5% of projected national tax revenue for 2017, 2018 and 2019 fiscal years respectively.

The Fund allocation for the year 2017 is GHC1,575.9million (the appropriation Act 2017, Act 945) compared to GHC2,013.9million allocated for 2016 and the reduction results from the funding policy change.

## 2017 FORMULA FOR SHARING THE DISTRICT ASSEMBLIES COMMON FUND

**ALLOCATION STATEMENT 2017**

|  | PROP.<br>%   | GHC'000<br>2017 | GHC'000          | PROP.        | GHC'000<br>2016 | GHC'000          |
|--|--------------|-----------------|------------------|--------------|-----------------|------------------|
| <b>INSTITUTIONAL TRANSFERS</b>                         | <b>16.35</b> |                 | <b>257,602</b>   | <b>6.65</b>  |                 | <b>133,800</b>   |
| NATIONAL YOUTH AUTHORITY (ACT.939)                     | 5.00         | 78,797          |                  |              |                 |                  |
| YOUTH EMPLOYMENT AGENCY (ACT.887)                      | 10.00        | 157,594         |                  | 6.65         | 133,800         |                  |
| NATIONAL DISASTER MGT. ORG.(ACT.927)                   | 1.35         | 21,212          |                  |              |                 |                  |
| <b>NATIONAL PROJECTS</b>                               | <b>7.13</b>  |                 | <b>252,622</b>   | <b>38.55</b> |                 | <b>776,200</b>   |
| NATIONAL EDUCATION POLICIES                            | 4.45         | 70,129          |                  | 5.60         | 112,200         |                  |
| WASTE MGT. (LIQUID/SOLID)                              | 7.00         | 110,315         |                  | 14.90        | 300,000         |                  |
| CCRA SEWERAGE TREATMENT PLANT<br>(LAVENDER HILL)       | 2.53         | 39,871          |                  | 4.70         | 95,000          |                  |
| NEED CAPITAL FOR NEW MMDAS BUILDING                    | 2.05         | 32,307          |                  |              |                 |                  |
| OTHERS   | -            | -               |                  | 13.35        | 269,000         |                  |
| <b>RESERVE</b>   | <b>12.30</b> |                 | <b>211,175</b>   | <b>10.20</b> |                 | <b>205,419</b>   |
| CONSTITUENCY LABOUR PROJECTS(MPS)                      | 5.00         | 78,797          |                  | 4.50         | 90,626          |                  |
| CONSTITUENCY LABOUR MONITORING<br>AND EVALUATION (MPS) | 3.00         | 47,278          |                  | 2.50         | 50,348          |                  |
| RESERVE FUND   | 2.00         | 31,519          |                  | 1.35         | 27,188          |                  |
| RCC  | 2.00         | 31,519          |                  | 1.35         | 27,188          |                  |
| DACF OPERATIONS  | 0.50         | 7,880           |                  | 0.50         | 10,070          |                  |
| DACF OFFICE BUILDING                                   | 0.90         | 14,183          |                  |              |                 |                  |
| <b>MMDAS - INDIRECT</b>                                | <b>7.70</b>  |                 | <b>121,347</b>   | <b>9.45</b>  |                 | <b>190,087</b>   |
| WATER SANITATION MODULE (ARREARS)                      | 7.10         | 111,891         |                  | 8.90         | 179,111         |                  |
| RAINING  | 0.50         | 7,880           |                  | 0.40         | 8,056           |                  |
| CURED LEPERS   | 0.10         | 1,576           |                  | 0.15         | 2,920           |                  |
| <b>MMDAS - DIRECT</b>                                  | <b>46.52</b> |                 | <b>733,188</b>   | <b>35.10</b> |                 | <b>708,407</b>   |
| PEOPLE WITH DISABILITIES (PWD)                         | 3.00         | 47,278          |                  | 1.80         | 37,000          |                  |
| NET MMDAS  | 43.52        | 685,910         |                  | 33.30        | 671,407         |                  |
| <b>TOTAL FUND</b>                                      | <b>100</b>   |                 | <b>1,575,935</b> | <b>100</b>   |                 | <b>2,013,913</b> |

### 3.0 **INSTITUTIONAL TRANSFERS**

The Financial provisions of the following organisations request the DACF to provide source of funding for the implementation of their various objectives/programmes.

|  |   |       |
|--|---|-------|
| (a) Youth Employment Agency (Section 23(c) of Act 887)   | - | 10%   |
| (b) National Youth Authority (Section 17(b) of Act 939)  | - | 5%    |
| (c) National Disaster Management Fund (NADMO) Three percent of share of the District Assemblies Common Fund for each District Assembly subject to the Formula (3%) | - | 1.35% |

An amount of GHC257.6million has therefore been allocated to cater for the above organisations in 2017.

It appears that there is an apparent overlap in funding the above institutions, in that, they are allocated with funds directly from other sources.

There may therefore be no need for institutions to be funded separately from the DACF.

There is the urgent need to review the funding sources to some of the institutions stated in the Earmarked Funds and Capping Act, 2017 (Act 947)

### 4.0 **NATIONAL PROJECTS**

An amount of GHC252.6million has been set aside to fund the following projects;

#### (a) **National Education Policies/Programme**

An amount of GHC70.1million has been allocated to cover National Education Policies/Programmes to be undertaken by Ministry of Education for basic schools.

#### (b) **Waste Management (Liquid/Solid)**

An amount of GHC110.3million is earmarked to cater for the management of Liquid and Solid Waste.

**(c) Accra Sewerage Treatment Plant (Lavender Hill)**

A new plant built by Sewage Systems Ghana Limited has been commissioned and in use to manage Korle Bu Medical Waste, Mudor Fecal Waste and the old "Lavender Hill"

An amount of GHC95million was requested from the DACF in 2016 to support the completion of the project which has not been fully paid and the unpaid portion of GHC39.9million has therefore been budgeted in 2017.

**(d) Seed Capital for New MMDAS Office Buildings**

Contracts were awarded in batches in November 2013 and July 2014 for the construction of offices for newly created Assemblies. The overall level of completion is as follows:

- |                      |     |
|----------------------|-----|
| • Completed          | 40% |
| • Nearing Completion | 27% |
| • On-going           | 33% |

An additional amount of GHC32.3million has been budgeted to cater for additional works excluded in the original contracts, the effects of inflation and exchange rate fluctuations on the contract sum.

**5. THE RESERVE FUND**

An amount of GHC211.2million has been set aside for the following details:

**1. Constituency Labour Projects**

This is to provide funding for Constituency Labour Projects undertaken by Members of Parliament. The projected amount of GHC78.8million would be shared equally for all the 275 Members of Parliament.

**2. Constituency Labour Monitoring & Evaluation**

This is to provide support for Constituency Monitoring and Evaluation by Members of Parliament. An amount of GHC47.3million would be shared equally amongst all the Members of Parliament.

**3. Regional Co-ordinating Councils**

For Regional Co-ordinating Councils to perform their monitoring and supervisory functions over the MMDAs, a provision of GHC31.5million has been earmarked. The Regional Planning and Co-ordinating Units would be resourced adequately to enable the units carry out their roles to monitor and

evaluate development projects in the regions. The amount due to each region is therefore to be used for General Administration – 60% and Regional Planning and Co-ordinating Units – 40%

**4. Reserve Fund**

To provide urgent fund for contingency/emergency expenditure of GHC31.5million.

**5. Office of the Administrator District Assemblies Common Fund**

(a) An amount of GHC7.9 million has been allocated to the Office of the DACF. This would cater for the compensation costs of Employees, Monitoring and Evaluation activities of the operations.

(b) The construction of an ultra-modern office building is in progress and it is planned to be completed by February 2018. An amount of GHC14.2million is therefore requested towards the completion of the building.

**INDIRECT PROGRAMMES**

Total of Indirect Programmes amounting to GHC121.3million has been earmarked for the following:

1. YEA – Sanitation Module (Arrears):- The amount relates to a debt due to the Service Provider resulting from lower inflows into the fund than budgeted. Total indebtedness to programme is GHC321.3million of which GHC111.9million is targeted to reduce the debt. This debt is expected to be spread over three(3) years.
2. Training - GHC7.9million has been earmarked for Human Resource Training in the MMDAs.
3. Cured Lepers – GHC1.6million has been set aside to cater for cured lepers. It is proposed that 25% would be used for feeding and 75% on physical development.

**DIRECT TRANSFERS (MMDAs)**

The total direct transfer to the MMDAs is estimated at GHC733.2million representing 46.5% of the total allocations as follows:-

1. GHC 685.9million is targeted to the MMDAs development programmes. The estimated ratios and allocation for 2017 to the MMDA's based on the recommended Scenario attached in Table 9 and 10.
2. People with Disability Support is set at GHC47.3million for 2017. It is proposed to use 25% of PWD component to improve twenty six (26) facilities in Disability institutions and rehabilitation centers in the country as well as monitoring for the Disability Council. 75% of the Fund would be made available to the PWD accounts in the MMDAs.

4.0 **Indicative Allocation for 2018 and 2019**

We have worked out the broad allocations for 2018 and 2019 fiscal years using the Scenario recommended as attached in Table 11. The proposed allocations for 2018 and 2019 are GHC1,968million and GHC2,329million respectively from the National Budget statement. These are just indicative figures and would be revised/finalized using actual weightings and amounts in their respective years.





## PRINCIPLES UNDERLYING THE FORMULA

There is no significant change in the guiding principles of choosing the Factors and the corresponding indicators in developing the DACF Formula. The Factors and Indicators should be Relevant, Comprehensive, Reliable, Measurable and Simple to interpret.

The DACF Formula is developed to allocate the Funds evenly to address the development gaps between the rural and urban districts in the country. Since the late 1960s, there has been a conceptual shift in the meaning of development. Development is now considered as a multi-dimensional process involving not only economic growth, but also improvement in other living conditions such as health, education, access to potable water, good roads, adequate food supply, employment etc, thus defining development these days, in terms of satisfying “basic human needs’.

In developing the DACF Formula, the “**Basic Needs**” approach to development is adopted and considered as a Factor in the Formula with the following as its indicators:

- Health Services
- Education Services
- Water Coverage
- Tarred Road Coverage

Under this Factor, those who have more facilities/services receive less to bridge the development gap.

In addition to the ‘basic needs’ Factor, the Formula also takes into account other factors in its development. The **Responsiveness** of the Metropolitan, Municipal and District Assemblies (MMDAs) to their own revenue generation and service delivery. It has been observed that when local authorities expect sizable grants from central government they relax in their efforts to improve on their local revenue collection. It has been argued that central government transfers such as the DACF serve as a disincentive to Local Revenue Mobilization efforts. The **Responsiveness Factor** is therefore used to serve as an incentive to Metropolitan, Municipal and District Assemblies (MMDAs) to double their efforts towards Revenue Generation.

Budget Implementation Status: - The Formula also looks at Assemblies performance in terms of their actual in relation to planned performance for the previous year.

The second Factor considered apart from the basic needs has been the **Service Pressure Factor**. This Factor is to cater for the pressures put on facilities as a result of Rural/Urban migration in urban areas. The result from this factor is to assist the Assemblies to maintain the facilities.

Finally, each Metropolitan, Municipal and District Assemblies (MMDAs) receives a certain minimum allocation to serve as a start-up Fund before all other Factors are applied. This is termed in the Formula as **Equality Factor**. A percentage of the Fund is shared equally among the MMDAs before other factors are applied.

## **2.1 CHOICE OF INDICATORS AND MEASURES FOR THE FACTORS**

In choosing the various indicators, emphasis is placed on those indicators for which data is readily available and disaggregated down to the Metropolitan, Municipal and District Assemblies (MMDAs) level.

The following indicators and measures are chosen for each of the Factors:

### **(i) NEED FACTOR**

#### **Health Services**

This indicator measures the level of health services enjoyed by the people in each MMDA. The selected measures for health services are the number of health facilities such as hospitals, clinics, health centres, CHPS Compound and Health professionals\ population ratio.

#### **Education Services**

Under this indicator, consideration is given to the number of basic education facilities in each MMDA as well as their Human Resource. The selected measures for this are the number of schools in each MMDA and the trained teacher/pupil ratio.

#### **Water coverage**

The percentage of population having access to clean and potable water.

### **Tarred Road Coverage**

This indicator takes care of the total road network (excluding Highways) in relation to tarred roads in each district.

#### **(ii) RESPONSIVENESS FACTOR**

(a) Improvement in revenue generation and collection are used as an indicator. Year 2014 is used as the base year and the percentage increase in revenue generation in the base year are measured against year 2015 (which is the latest Revenue figures available). This has been introduced to augment revenue generation.

(b) Budget Implementation Status – This factor has been introduced to act as a check on MMDAs to implement approved budgets. It is also to act as a Budgetary Control mechanism as an incentive for adhering to policies.

#### **(iii) SERVICE PRESSURE FACTOR**

This indicator tries to compensate Urban Assemblies for the over-utilization of their facilities by visitors.

#### **(iv) EQUALITY FACTOR**

This involves a straight-forward division of a portion of the fund by 216 being the number of MMDAs. No indicators are therefore required.

## **2.2 SOURCES OF DATA USED**

Data used in the Formula is obtained from central sources. This is to avoid Metropolitan, Municipal and District Assemblies (MMDAs) influence over the data used and to prevent any possible falsification. However data on project implementation status was sourced from the Metropolitan/Municipal/District Assemblies and Regional Co-ordinating Councils Monitoring and Evaluation Report.

### **Population**

Population data is obtained from the Statistical Service. The population data used is the result of 2010 Population Census. (For the New MMDAs that were created

after the 2010 Population Census, the Population figures for the old MMDAs are shared equally between the old/new MMDAs).

### **Education**

Data on Education is obtained from the Ministry of Education. Data required includes Education Facilities, Pupil and Trained Teacher Population. Education data covers all the MMDAs except the new Districts where data is shared with the old district.

### **Health**

The data supplied includes Health facilities such as Public Hospitals, Clinics, Health Posts and CHPS compound as well as Doctors and Nurses population. The health sector data continue to pose a great challenge to the development of the Formula. Key among them is the data on human resource professionals. The fluidity of these professionals creates disparity between the data and the reality in some health facilities.

### **Internally Generated Revenue**

Local Government Accounts Unit of the Controller and Accountant General's Department provides data on Metropolitan, Municipal and District Assemblies (MMDAs) Internal Revenue Collection.

### **Budget Implementation Status**

RCCs and MMDAs themselves provided data on the percentage status of completion of these mandatory projects.

### **Water Coverage**

Data on water coverage was sourced from both the Community Water and Sanitation Agency and the Ghana Water Company. While the Community Water and Sanitation Agency gave out rural coverage, the Ghana Water Company also provided urban coverage.

### **Tarred Road Coverage**

Tarred Roads data was obtained from Departments of Urban and Feeder Roads. Data on Feeder and Urban roads were used. Highway data was excluded as most MMDAs have the highway passing through and has little economic benefit to the entire MMDA. The Data used for the roads coverage is for year 2015 as we were

unable to obtain current statistics of roads coverage from Department of Urban and Feeder Roads.

### 2.3 LOCATION QUOTIENT

Location quotient is the method used to mathematically derive

Proportions from the data on Needs Factor. It is defined as:  $\frac{S_i/S}{N_i/N}$

Where  $S_i$  is the number of "S" facility in district "I" and 'S' is the total number of facility S in the country.  $N_i$  is the population of district 'I' and N is the population of the country.

The location quotient ranks all the districts in terms of the endowment of the facility in question. It is intended that the less endowed Metropolitan, Municipal and District Assemblies (MMDAs) gain more than the better endowed; the reciprocal of the location quotient is what is used.

### 2.4 WEIGHTING THE FACTORS

The indicators are combined by weights to arrive at the share proportion of each Metropolitan, Municipal and District Assemblies (MMDAs). Three scenarios for weighting are usually presented for consideration.

### 2.5 REVIEW AND INTRODUCTION OF NEW FACTORS

Every year an attempt is made to refine the sharing Formula. At the inception of the Common Fund, GDP was a major component of the "need factor". With passing years, its reliability reduced and had to be dropped. In 2001 the Formula was further refined with the inclusion of Health Professionals/Population and Teacher/Pupil ratio.

In 2002, the "Need Factor" was refined with the introduction of Water coverage as an indicator. This indicator is measured in terms of the percentage of Metropolitan, Municipal and District Assemblies (MMDAs) population that have access to potable water.

In 2004, the Need Factor was again refined with the introduction of Tarred Roads and Nurses/Population ratio. Tarred road was dropped in the subsequent year due to late submission of data. However, in 2011 the Tarred Roads was reintroduced with data sourced from the Departments of Urban Roads and Feeder Roads.

These are the two main departments for roads whose activities are carried out at the Metropolitan, Municipal and District Assemblies (MMDAs) basis.

Responsiveness factor was refined in 2016 with the introduction of Budget Implementation Status. This indicator measures performance of the MMDAs in terms of compliance with their budget and budgetary provision.

### 3.0 **APPLICATION FOR 2017**

District Assemblies Common Fund Budget Allocation for 2017 includes some Institutional transfers and other National Projects under the initiatives of the Ministry of Local Government and Rural Development.

The 2017 Formula also includes Reserve Fund, Indirect and Direct Transfers to MMDAs.

(a) **Indirect Transfer**

In order not to interrupt programmes planned for the MMDAs, a portion of the Fund has been set aside to be transferred indirectly to the MMDAs which eventually improve the lives of the people of each Assembly.

(b) **Direct Transfer**

Direct transfer of GHC733.2million has been allocated to the MMDAs as shown in Tables 9 and 10 in ratios and monetary terms.

3.1 **PROPOSALS FOR 2017 – DIRECT TRANSFER**

We propose again to use the under listed factors and indicators.

**NEED FACTOR**

(1) **Health**

- a. Facilities/Population Ratio
- b. Health Professionals/Population Ratio

(2) **Education**

- a. School Facilities/Population Ratio
- b. Classroom facilities/population
- c. Teacher/Pupil Ratio

(3) **Water**

- a. Water Coverage Ratio

(4) **Tarred Roads**

- a. Roads Coverage Ratio

The calculations of these indicators are presented in Tables 1A, 1B, 2A , 2B, 3 and 4.

**RESPONSIVENESS FACTOR**

1. Revenue Improvement and the calculation of this indicator is presented in Table 5.
2. Budget Implementation Status Ratio and the calculation of this indicator is presented in Tables 6.

**SERVICE PRESSURE**

The calculation of the population Density is presented in Table 7.

**EQUALITY FACTORS**

No indicators are required.

**3.2 PROPOSED WEIGHTING SCENARIOS**

We present below three different scenarios of weighting. These scenarios are the same for 2016 with a minor variation on the needs for education.

**2017 Proposed Weighting**

| <b><u>FACTOR</u></b>                      | <b><u>SCENARIO A</u></b> |            | <b><u>SCENARIO B</u></b> |            | <b><u>SCENARIO C</u></b> |            |
|---|--------------------------|------------|--------------------------|------------|--------------------------|------------|
|   | %                        | %          | %                        | %          | %                        | %          |
| <b><u>EQUALITY</u></b>                    |                          | <b>35</b>  |                          | <b>45</b>  |                          | <b>40</b>  |
| <b><u>NEEDS</u></b>                       |                          | <b>48</b>  |                          | <b>45</b>  |                          | <b>44</b>  |
| Health facility/<br>population ratio      | 8                        |            | 12                       |            | 8                        |            |
| Health Professionals/<br>Population ratio | 8                        |            | 5                        |            | 8                        |            |
| School facility/<br>population ratio      | 8                        |            | 6                        |            | 6                        |            |
| Classrooms Facility/<br>Population ratio  | 6                        |            | 6                        |            | 6                        |            |
| Teacher/Pupils<br>ratio                   | 8                        |            | 8                        |            | 6                        |            |
| Tarred Roads<br>coverage                  | 4                        |            | 4                        |            | 4                        |            |
| Water Coverage                            | 6                        |            | 4                        |            | 6                        |            |
| <b><u>RESPONSIVENESS</u></b>              |                          | <b>12</b>  |                          | <b>8</b>   |                          | <b>12</b>  |
| Revenue Improve-<br>ment                  | 6                        |            | 4                        |            | 6                        |            |
| Budget Implemen-<br>tation Status         | 6                        |            | 4                        |            | 6                        |            |
| <b><u>SERVICE PRESSURE</u></b>            |                          | <b>5</b>   |                          | <b>2</b>   |                          | <b>4</b>   |
| Population Density                        |                          |            |                          |            |                          |            |
|   |                          | -----      |                          | -----      |                          | -----      |
|   |                          | <b>100</b> |                          | <b>100</b> |                          | <b>100</b> |
|   |                          | -----      |                          | -----      |                          | -----      |



**PROPOSED WEIGHTING SCENARIOS**

We present below three different scenarios of weighting. These scenarios have been obtained by varying the weights for the Need Factor, Service Pressure, Responsiveness and the Equality.

**2016 Proposed Weighting**

| <b><u>FACTOR</u></b>              | <b><u>SCENARIO A</u></b> |                              | <b><u>SCENARIO B</u></b> |                              | <b><u>SCENARIO C</u></b> |                              |
|-----------------------------------|--------------------------|------------------------------|--------------------------|------------------------------|--------------------------|------------------------------|
|                                   | %                        | %                            | %                        | %                            | %                        | %                            |
| <b><u>EQUALITY</u></b>            |                          | <b>35</b>                    |                          | <b>45</b>                    |                          | <b>40</b>                    |
| <b><u>NEEDS</u></b>               |                          | <b>48</b>                    |                          | <b>45</b>                    |                          | <b>44</b>                    |
| Health facility/<br>population    | 8                        |                              | 12                       |                              | 8                        |                              |
| Health Professionals              | 8                        |                              | 5                        |                              | 8                        |                              |
| Education facility/<br>population | 12                       |                              | 12                       |                              | 10                       |                              |
| Teacher/Pupils                    | 10                       |                              | 8                        |                              | 8                        |                              |
| Roads coverage                    | 4                        |                              | 4                        |                              | 4                        |                              |
| Water Coverage                    | 6                        |                              | 4                        |                              | 6                        |                              |
| <b><u>RESPONSIVENESS</u></b>      |                          | <b>12</b>                    |                          | <b>8</b>                     |                          | <b>12</b>                    |
| Revenue Improve-<br>ment          | 6                        |                              | 4                        |                              | 6                        |                              |
| Budget Implemen-<br>tation Status | 6                        |                              | 4                        |                              | 6                        |                              |
| <b><u>SERVICE PRESSURE</u></b>    |                          | <b>5</b>                     |                          | <b>2</b>                     |                          | <b>4</b>                     |
| Population Density                |                          |                              |                          |                              |                          |                              |
|                                   |                          | -----<br><b>100</b><br>----- |                          | -----<br><b>100</b><br>----- |                          | -----<br><b>100</b><br>----- |

In 2017 Budget Statement, the approved allocation into the District Assemblies Common Fund is GHC1,575.9million. The scenarios are therefore applied after allowing for the Institutional Transfers and other National Projects.

### **Projections for 2018 and 2019**

Projections for 2018 and 2019 amounting to GHC1,968million and GHC2,329million respectively have been worked out in Tables 11 and 14.

### **OBSERVATION ON THE SCENARIOS**

The comparison shows that under all scenarios most MMDAs had an increase. A critical examination of the three scenarios indicates that Scenario B is evenly distributed followed by A.

### **RECOMMENDATION**

We wish to recommend Scenario B where the greater number of MMDAs received their highest allocations compared to the other two scenarios.

The details of **SCENARIO B** are as follows:

|                                       | %  | %         |
|---------------------------------------|----|-----------|
| <b><u>EQUALITY</u></b>                |    |           |
| <b><u>NEED</u></b>                    |    | <b>45</b> |
| <u>Health</u>                         |    | <b>45</b> |
| Health Facility/ Population Ratio     | 12 |           |
| Health Professional/ Population ratio | 5  |           |
| <u>Education</u>                      |    |           |
| Trained Teacher/ Pupil Ratio          | 8  |           |
| School facility/Population ratio      | 6  |           |
| Classroom facility/population Ratio   | 6  |           |
| <u>Road</u>                           |    |           |
| Tarred Roads Coverage                 | 4  |           |



Water  
Water Coverage 4

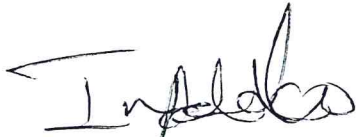
**RESPONSIVENESS**

Revenue Improvement 4  
Budget Implementation Status 4 8

**SERVICE PRESSURE**

Population Density 2 2

-----  
100  
=====



HON. IRENE NAA TORSHIE ADDO  
ADMINISTRATOR

JUNE 2017

TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION  | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|---------|-----|----------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| WESTERN | 1   | SEKONDI TAKORADI METRO.          | 0.007082        | 0.008115 | 14.59           | 0.007559 | 6.74            | 0.006235 | -11.96     |
|         | 2   | SHAWA                            | 0.004400        | 0.004404 | 0.08            | 0.004396 | -0.09           | 0.004367 | -0.74      |
|         | 3   | NZEMA EAST MUNICIPAL             | 0.004001        | 0.004174 | 4.33            | 0.004064 | 1.58            | 0.004088 | 2.19       |
|         | 4   | ELLEMELLE                        | 0.003991        | 0.003672 | -8.00           | 0.004280 | 7.24            | 0.004575 | 14.63      |
|         | 5   | TARKWA NSUEM MUNICIPAL           | 0.005060        | 0.004007 | -20.81          | 0.00469E | -7.21           | 0.004482 | -11.42     |
|         | 6   | PRESTEA-HUNI VALLEY              | 0.005167        | 0.004666 | -9.70           | 0.004724 | -8.57           | 0.004740 | -8.27      |
|         | 7   | AHANTA WEST                      | 0.003997        | 0.003603 | -9.85           | 0.004424 | 10.69           | 0.004437 | 11.02      |
|         | 8   | AMENFI WEST                      | 0.004147        | 0.004166 | 0.46            | 0.004078 | -1.66           | 0.004083 | -1.56      |
|         | 9   | AMENFI CENTRAL                   | 0.004112        | 0.004586 | 11.54           | 0.004335 | 5.45            | 0.004504 | 9.54       |
|         | 10  | AMENFI EAST                      | 0.004001        | 0.004135 | 3.34            | 0.004130 | 3.21            | 0.004070 | 1.73       |
|         | 11  | SEFWI WIAWSO                     | 0.004902        | 0.004730 | -3.51           | 0.004556 | -7.06           | 0.004573 | -6.70      |
|         | 12  | SEFWI AKONTOMBRA                 | 0.003943        | 0.003630 | -7.94           | 0.004220 | 7.03            | 0.004321 | 9.58       |
|         | 13  | WASSA EAST                       | 0.003919        | 0.005281 | 34.76           | 0.004475 | 14.19           | 0.004889 | 24.76      |
|         | 14  | MPOHOR                           | 0.004614        | 0.004088 | -11.40          | 0.004075 | -11.68          | 0.004413 | -4.35      |
|         | 15  | BIB/ANW/BEK                      | 0.003916        | 0.004404 | 12.46           | 0.004042 | 3.22            | 0.004750 | 21.29      |
|         | 16  | JUABOSO                          | 0.004439        | 0.003827 | -13.79          | 0.004048 | -8.80           | 0.004140 | -6.73      |
|         | 17  | BODI                             | 0.004844        | 0.004289 | -11.46          | 0.004499 | -7.11           | 0.004688 | -3.22      |
|         | 18  | BIA WEST                         | 0.003978        | 0.003995 | 0.44            | 0.004077 | 2.50            | 0.003934 | -1.10      |
|         | 19  | BIA EAST                         | 0.004964        | 0.004762 | -4.07           | 0.004869 | -1.91           | 0.005163 | 4.01       |
|         | 20  | AOWIN                            | 0.004039        | 0.003968 | -1.76           | 0.004104 | 1.61            | 0.003893 | -3.60      |
|         | 21  | SUAMAN                           | 0.005009        | 0.005862 | 17.04           | 0.005063 | 1.08            | 0.005375 | 7.30       |
|         | 22  | JOMORO                           | 0.004713        | 0.004577 | -2.90           | 0.004802 | 1.88            | 0.004110 | -12.80     |
|         |     | <b>0.099237</b>                  | <b>0.098941</b> |          | <b>0.099516</b> |          | <b>0.099831</b> |          |            |

TABLE 9  
2017 AND 2016 RATIOS COMPARED

| REGION  | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2016C           | 2017A           | % INCREASE | 2017B           | % INCREASE | 2017C    | % INCREASE      |  |
|---------|-----|----------------------------------|-----------------|-----------------|------------|-----------------|------------|----------|-----------------|--|
| CENTRAL | 23  | CAPE COAST METRO.                | 0.005321        | 0.005513        | 3.62       | 0.005262        | -1.11      | 0.004972 | -6.56           |  |
|         | 24  | MFANTSEMAN WEST MUN.             | 0.005478        | 0.004853        | -11.40     | 0.004814        | -12.11     | 0.004483 | -18.16          |  |
|         | 25  | EKUMFI                           | 0.005019        | 0.004931        | -1.75      | 0.005384        | 7.28       | 0.005909 | 17.73           |  |
|         | 26  | KOM/EDI/EGUI/ABI MUN.            | 0.004530        | 0.004217        | -6.92      | 0.004265        | -5.86      | 0.004203 | -7.21           |  |
|         | 27  | UPP. DENKY. EAST MUN.            | 0.004301        | 0.004457        | 3.63       | 0.004410        | 2.52       | 0.004125 | -4.09           |  |
|         | 28  | UPPER DENKYIRA WEST              | 0.005006        | 0.004275        | -14.61     | 0.004915        | -1.81      | 0.004368 | -12.74          |  |
|         | 29  | EFFUTU MUNICIPAL                 | 0.004846        | 0.005091        | 5.05       | 0.004678        | -3.46      | 0.005055 | 4.33            |  |
|         | 30  | AWUTU SENYA                      | 0.004617        | 0.004048        | -12.33     | 0.004212        | -8.77      | 0.004031 | -12.88          |  |
|         | 31  | AWUTU SENYA EAST MUNICIPAL       | 0.005721        | 0.005520        | -3.52      | 0.005095        | -10.94     | 0.005419 | -5.28           |  |
|         | 32  | AGONA WEST MUN.                  | 0.004252        | 0.004077        | -4.11      | 0.004027        | -5.29      | 0.003873 | -8.91           |  |
|         | 33  | AGONA EAST                       | 0.004546        | 0.004008        | -11.84     | 0.004180        | -8.06      | 0.004032 | -11.32          |  |
|         | 34  | ASSIN NORTH MUN.                 | 0.004225        | 0.004279        | 1.28       | 0.004264        | 0.93       | 0.004130 | -2.25           |  |
|         | 35  | ASSIN SOUTH                      | 0.004489        | 0.004271        | -4.87      | 0.004225        | -5.89      | 0.004348 | -3.15           |  |
|         | 36  | TWIFO ATI-MORKWA                 | 0.004667        | 0.004726        | 1.27       | 0.004518        | -3.19      | 0.004524 | -3.07           |  |
|         | 37  | TWIFO HEMANGI/LOWER/DEN.         | 0.005144        | 0.003909        | -24.02     | 0.004613        | -10.32     | 0.004372 | -15.01          |  |
|         | 38  | AJU/ENY/ESSIAM                   | 0.004214        | 0.004313        | 2.36       | 0.004144        | -1.65      | 0.004150 | -1.52           |  |
|         | 39  | GOMOA                            | 0.004766        | 0.004418        | -7.30      | 0.004454        | -6.55      | 0.004431 | -7.03           |  |
|         | 40  | GOMOA EAST                       | 0.005050        | 0.006209        | 22.95      | 0.005327        | 5.48       | 0.006101 | 20.81           |  |
|         | 41  | ASI/ODO/BRAKWA                   | 0.004235        | 0.004477        | 5.70       | 0.004667        | 10.19      | 0.004542 | 7.25            |  |
|         | 42  | ABURA/ASEBU/KWAN.                | 0.004093        | 0.004260        | 4.06       | 0.004319        | 5.52       | 0.003873 | -5.38           |  |
|         |     |                                  | <b>0.094520</b> | <b>0.091850</b> |            | <b>0.091774</b> |            |          | <b>0.090941</b> |  |

TABLE 9

## 2017 AND 2016 RATIOS COMPARED

| REGION                         | NO. | METRO/MUNICIPAL/DISTRICT ASSEMBLIES | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|--------------------------------|-----|-------------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| GT. ACCRA                      | 43  | ACCRA METRO.                        | 0.013660        | 0.014298 | 4.67            | 0.012139 | -11.13          | 0.014849 | 8.70       |
|                                | 44  | LA DADE-KOTOPON MUNICIPAL           | 0.007863        | 0.007295 | -7.22           | 0.009711 | 23.50           | 0.007691 | -2.18      |
|                                | 45  | LEDZEKUKU-KROWOR MUN.               | 0.006773        | 0.005624 | -16.97          | 0.006318 | -6.72           | 0.006244 | -7.82      |
|                                | 46  | TEMA METRO.                         | 0.005200        | 0.006049 | 16.32           | 0.006445 | 23.94           | 0.006179 | 18.83      |
|                                | 47  | KPONE AKATAMANSO                    | 0.006530        | 0.006963 | 6.64            | 0.006374 | -2.39           | 0.006467 | -0.96      |
|                                | 48  | ASHAIMAN MUNICIPAL                  | 0.004855        | 0.006906 | 42.22           | 0.005328 | 9.73            | 0.006564 | 35.20      |
|                                | 49  | ADENTA MUNICIPAL                    | 0.004375        | 0.004644 | 6.14            | 0.006953 | 58.93           | 0.004814 | 10.03      |
|                                | 50  | GA WEST MUNICIPAL                   | 0.005110        | 0.005900 | 15.46           | 0.006031 | 18.02           | 0.006661 | 30.34      |
|                                | 51  | GA SOUTH                            | 0.005673        | 0.006027 | 6.24            | 0.005647 | -0.46           | 0.006666 | 17.49      |
|                                | 52  | GA CENTRAL MUNICIPAL                | 0.007047        | 0.007579 | 7.55            | 0.007714 | 9.47            | 0.007594 | 7.76       |
|                                | 53  | GA EAST MUNICIPAL                   | 0.005270        | 0.005114 | -2.96           | 0.006119 | 16.11           | 0.005955 | 13.00      |
| LA NKANTANANG MADINA MUNICIPAL | 54  | MUNICIPAL                           | 0.004514        | 0.005402 | 19.66           | 0.005533 | 22.58           | 0.005244 | 16.18      |
|                                | 55  | ADA EAST                            | 0.004093        | 0.004330 | 5.80            | 0.004533 | 10.74           | 0.004352 | 6.34       |
|                                | 56  | ADA WEST                            | 0.004800        | 0.004935 | 2.81            | 0.004622 | -3.71           | 0.004935 | 2.81       |
|                                | 57  | SHAI/OSUDOKU                        | 0.004509        | 0.004220 | -6.42           | 0.004424 | -1.89           | 0.004263 | -5.46      |
|                                | 58  | NINGO/PRAMPAM                       | 0.004515        | 0.004200 | -6.98           | 0.004394 | -2.68           | 0.004264 | -5.57      |
|                                |     | <b>0.094788</b>                     | <b>0.099487</b> |          | <b>0.102285</b> |          | <b>0.102741</b> |          |            |

TABLE 9

## 2017 AND 2016 RATIOS COMPARED

| REGION  | NO.        | METRO/MUNICIPAL/DISTRICT ASSEMBLIES | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|---------|------------|-------------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| EASTERN | 59         | NEW JUABEN MUNICIPAL                | 0.005421        | 0.005413 | -0.15           | 0.005025 | -7.30           | 0.005249 | -3.18      |
|         | 60         | NSAWAM/ADOAGYIRI                    | 0.003963        | 0.004176 | 5.38            | 0.004060 | 2.44            | 0.004087 | 3.12       |
|         | 61         | AKUAPEM SOUTH                       | 0.004152        | 0.003896 | -6.16           | 0.004018 | -3.23           | 0.004054 | -2.37      |
|         | 62         | WEST AKIM MUNICIPAL                 | 0.004051        | 0.004060 | 0.21            | 0.004026 | -0.61           | 0.004267 | 5.34       |
|         | 63         | UPPER WEST AKIM                     | 0.004077        | 0.004510 | 10.61           | 0.004498 | 10.32           | 0.004504 | 10.48      |
|         | 64         | EAST AKIM MUNICIPAL                 | 0.004233        | 0.004506 | 6.45            | 0.004516 | 6.69            | 0.004473 | 5.66       |
|         | 65         | ATIWA                               | 0.003992        | 0.004067 | 1.87            | 0.004015 | 0.58            | 0.004096 | 2.61       |
|         | 66         | BIRIM CENTRAL MUNICIPAL             | 0.004273        | 0.004147 | -2.95           | 0.004185 | -2.07           | 0.004149 | -2.90      |
|         | 67         | BIRIM SOUTH                         | 0.004949        | 0.004504 | -8.99           | 0.004418 | -10.74          | 0.004503 | -9.01      |
|         | 68         | BIRIM NORTH                         | 0.004042        | 0.004417 | 9.29            | 0.004511 | 11.61           | 0.004451 | 10.11      |
|         | 69         | AKYEMANSO                           | 0.004788        | 0.004349 | -9.16           | 0.004301 | -10.18          | 0.004289 | -10.42     |
|         | 70         | KWAHU WEST MUNICIPAL                | 0.004425        | 0.004021 | -9.13           | 0.004319 | -2.39           | 0.004027 | -9.00      |
|         | 71         | KWAHU EAST                          | 0.004238        | 0.004032 | -4.86           | 0.004482 | 5.76            | 0.004044 | -4.57      |
|         | 72         | KWAHU SOUTH                         | 0.003908        | 0.003684 | -5.74           | 0.004264 | 9.10            | 0.004013 | 2.69       |
|         | 73         | KWAHU AFRAM PLAINS NORTH            | 0.004637        | 0.004528 | -2.36           | 0.004916 | 6.00            | 0.004586 | -1.11      |
|         | 74         | KWAHU AFRAM PLAINS SOUTH            | 0.005028        | 0.004039 | -19.67          | 0.004575 | -9.00           | 0.004845 | -3.63      |
|         | 75         | AKUAPIM NORTH MUNICIPAL             | 0.004813        | 0.004631 | -3.78           | 0.004445 | -7.64           | 0.004608 | -4.25      |
|         | 76         | YILO KROBO MUNICIPAL                | 0.004150        | 0.004113 | -0.88           | 0.004263 | 2.74            | 0.004024 | -3.04      |
|         | 77         | MANYA KROBO MUNICIPAL               | 0.003988        | 0.004032 | 1.11            | 0.004117 | 3.23            | 0.004015 | 0.68       |
|         | 78         | UPPER MANYA KROBO                   | 0.004409        | 0.006462 | 46.58           | 0.005297 | 20.14           | 0.005507 | 24.92      |
|         | 79         | SUJUM MUNICIPAL                     | 0.003952        | 0.004074 | 3.10            | 0.004056 | 2.64            | 0.004106 | 3.89       |
|         | 80         | AYENSUANO                           | 0.004906        | 0.004945 | 0.79            | 0.004528 | -7.71           | 0.004572 | -6.81      |
|         | 81         | KWAEBIBIRIM                         | 0.004038        | 0.004223 | 4.58            | 0.004009 | -0.72           | 0.004072 | 0.85       |
|         | 82         | DENKYEMBOUR                         | 0.005356        | 0.004738 | -11.53          | 0.004922 | -8.11           | 0.005035 | -6.00      |
| 83      | ASUOGYAMAN | 0.003846                            | 0.004630        | 20.39    | 0.004354        | 13.22    | 0.004416        | 14.82    |            |
| 84      | FANTEAKWA  | 0.003953                            | 0.004608        | 16.58    | 0.004374        | 10.65    | 0.004455        | 12.70    |            |
|         |            | <b>0.113588</b>                     | <b>0.114808</b> |          | <b>0.114492</b> |          | <b>0.114447</b> |          |            |

TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION | NO.           | METRO/ MUNICIPAL DISTRICT | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|--------|---------------|---------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| VOLTA  | 85            | HO MUNICIPAL              | 0.005378        | 0.004726 | -12.11          | 0.005034 | -6.40           | 0.005032 | -6.43      |
|        | 86            | HO WEST                   | 0.003936        | 0.003911 | -0.62           | 0.004004 | 1.72            | 0.004095 | 4.05       |
|        | 87            | AGORTIME-ZIOPE            | 0.004680        | 0.004866 | 3.98            | 0.004516 | -3.51           | 0.004916 | 5.04       |
|        | 88            | ADAKLU-                   | 0.004024        | 0.004310 | 7.11            | 0.004193 | 4.20            | 0.004142 | 2.93       |
|        | 89            | KETA MUNICIPAL            | 0.006035        | 0.004841 | -19.79          | 0.004579 | -24.12          | 0.004481 | -25.75     |
|        | 90            | HOHOE MUNICIPAL           | 0.004919        | 0.005473 | 11.27           | 0.005193 | 5.58            | 0.005450 | 10.79      |
|        | 91            | AFADZETO                  | 0.004803        | 0.005239 | 9.10            | 0.004418 | -8.00           | 0.005188 | 8.03       |
|        | 92            | KRACHI WEST               | 0.004691        | 0.004105 | -12.49          | 0.004150 | -11.54          | 0.004181 | -10.86     |
|        | 93            | KRACHI NTSUMURU           | 0.003916        | 0.004945 | 26.29           | 0.004518 | 15.38           | 0.005257 | 34.23      |
|        | 94            | KRACHI EAST               | 0.004533        | 0.004614 | 1.78            | 0.004526 | -0.16           | 0.004666 | 2.94       |
|        | 95            | KETU SOUTH MUNICIPAL      | 0.004683        | 0.005878 | 25.52           | 0.005398 | 15.26           | 0.005888 | 25.73      |
|        | 96            | KETU NORTH                | 0.005377        | 0.004192 | -22.04          | 0.004957 | -7.81           | 0.004741 | -11.82     |
|        | 97            | JASIKAN                   | 0.003905        | 0.004100 | 5.00            | 0.004144 | 6.12            | 0.004040 | 3.45       |
|        | 98            | BIAKOYE                   | 0.003921        | 0.004298 | 9.61            | 0.004071 | 3.83            | 0.004262 | 8.70       |
|        | 99            | SOUTH TONGU               | 0.004021        | 0.004223 | 5.01            | 0.004175 | 3.83            | 0.004457 | 10.84      |
|        | 100           | CENTRAL TONGU             | 0.004206        | 0.004097 | -2.60           | 0.004141 | -1.54           | 0.004074 | -3.15      |
|        | 101           | NORTH TONGU               | 0.004082        | 0.006705 | 64.26           | 0.005047 | 23.84           | 0.006072 | 48.74      |
|        | 102           | KPANDO MUNICIPAL          | 0.003993        | 0.004027 | 0.86            | 0.004098 | 2.62            | 0.004047 | 1.36       |
|        | 103           | NORTH DAYI                | 0.003994        | 0.004080 | 2.14            | 0.004127 | 3.32            | 0.004086 | 2.31       |
| 104    | SOUTH DAYI    | 0.004008                  | 0.004080        | 1.81     | 0.004151        | 3.58     | 0.004120        | 2.78     |            |
| 105    | AKATSI SOUTH  | 0.005627                  | 0.004281        | -23.92   | 0.005036        | -10.50   | 0.004842        | -13.95   |            |
| 106    | AKATSI NORTH  | 0.005160                  | 0.004202        | -18.56   | 0.004472        | -13.33   | 0.004398        | -14.76   |            |
| 107    | NKWANTA       | 0.004275                  | 0.004173        | -2.40    | 0.004198        | -1.79    | 0.004557        | 6.60     |            |
| 108    | NKWANTA NORTH | 0.004873                  | 0.004144        | -14.97   | 0.004315        | -11.45   | 0.004249        | -12.80   |            |
| 109    | KADJEBI       | 0.004069                  | 0.004002        | -1.64    | 0.004133        | 1.57     | 0.004206        | 3.37     |            |
|        |               | <b>0.113108</b>           | <b>0.113513</b> |          | <b>0.111594</b> |          | <b>0.115448</b> |          |            |



TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION  | NO.                  | METRO./MUNI./DISTRICT ASSEMBLIES | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|---------|----------------------|----------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| ASHANTI | 110                  | KUMASI METRO.                    | 0.012890        | 0.013375 | 3.76            | 0.012400 | -3.80           | 0.010050 | -22.03     |
|         | 111                  | ASOKORE MAMPONG MUN.             | 0.007881        | 0.008012 | 1.67            | 0.008428 | 6.94            | 0.008520 | 8.11       |
|         | 112                  | BEKWAI MUNICIPAL                 | 0.004424        | 0.004605 | 4.09            | 0.005133 | 16.03           | 0.005100 | 15.28      |
|         | 113                  | BOSOME FREHO                     | 0.003935        | 0.003998 | 1.61            | 0.004013 | 1.98            | 0.004052 | 2.97       |
|         | 114                  | AMANSIE CENTRAL                  | 0.003971        | 0.004091 | 3.02            | 0.004313 | 8.61            | 0.004126 | 3.90       |
|         | 115                  | OBUASI MUNICIPAL                 | 0.004636        | 0.007269 | 56.81           | 0.006454 | 39.23           | 0.005201 | 12.19      |
|         | 116                  | EJISU JUABEN MUNICIPAL           | 0.004727        | 0.004481 | -5.19           | 0.004598 | -2.73           | 0.004501 | -4.78      |
|         | 117                  | MAMPONG MUNICIPAL                | 0.003948        | 0.004208 | 6.60            | 0.004031 | 2.12            | 0.004139 | 4.84       |
|         | 118                  | SEKYERE CENTRAL                  | 0.004208        | 0.004276 | 1.62            | 0.004046 | -3.86           | 0.004197 | -0.27      |
|         | 119                  | OFFINSO MUNICIPAL                | 0.004290        | 0.004225 | -1.52           | 0.004230 | -1.40           | 0.004169 | -2.82      |
|         | 120                  | OFFINSO NORTH                    | 0.004016        | 0.004160 | 3.59            | 0.004063 | 1.18            | 0.004126 | 2.74       |
|         | 121                  | ASANTE AKIM CENTRAL MUN.         | 0.004247        | 0.004076 | -4.04           | 0.004367 | 2.82            | 0.004082 | -3.90      |
|         | 122                  | ASANTE AKIM NORTH MUN.           | 0.005063        | 0.004480 | -11.51          | 0.004384 | -13.42          | 0.004504 | -11.05     |
|         | 123                  | ASANTE AKIM SOUTH                | 0.004120        | 0.005162 | 25.31           | 0.004965 | 20.52           | 0.005210 | 26.48      |
|         | 124                  | AMANSIE WEST                     | 0.004503        | 0.004159 | -7.63           | 0.004330 | -3.83           | 0.004223 | -6.21      |
|         | 125                  | ADANSI SOUTH                     | 0.004354        | 0.004763 | 9.39            | 0.004635 | 6.46            | 0.004805 | 10.38      |
|         | 126                  | ADANSI NORTH                     | 0.004935        | 0.004336 | -12.13          | 0.004215 | -14.59          | 0.004534 | -8.13      |
|         | 127                  | SEKYERE EAST                     | 0.003978        | 0.004206 | 5.74            | 0.004237 | 6.50            | 0.004114 | 3.42       |
|         | 128                  | SEKYERE KUMAWU                   | 0.004027        | 0.004023 | -0.09           | 0.004192 | 4.09            | 0.004123 | 2.40       |
|         | 129                  | SEKYERE AF/PLAINS                | 0.004653        | 0.004448 | -4.41           | 0.004612 | -0.90           | 0.004221 | -9.29      |
| 130     | ATWIMA NWABIAGYA     | 0.004936                         | 0.005149        | 4.31     | 0.005281        | 6.99     | 0.004877        | -1.20    |            |
| 131     | ATWIMA MPONUA        | 0.004461                         | 0.004159        | -6.78    | 0.004102        | -8.03    | 0.004107        | -7.93    |            |
| 132     | AHAFO ANO NORTH      | 0.004204                         | 0.004351        | 3.50     | 0.004231        | 0.64     | 0.004069        | -3.22    |            |
| 133     | AHAFO ANO SOUTH      | 0.004441                         | 0.004786        | 7.77     | 0.004524        | 1.87     | 0.004526        | 1.93     |            |
| 134     | BOSOMTWI             | 0.003975                         | 0.004925        | 23.90    | 0.004965        | 24.90    | 0.004599        | 15.70    |            |
| 135     | ATWIMA KWANWOMA      | 0.004151                         | 0.004198        | 1.11     | 0.004121        | -0.72    | 0.004103        | -1.17    |            |
| 136     | EJU/SEKYEDUMASE MUN. | 0.004019                         | 0.004061        | 1.04     | 0.004179        | 3.99     | 0.004054        | 0.87     |            |
| 137     | KWABRE EAST          | 0.004441                         | 0.004422        | -0.43    | 0.004394        | -1.05    | 0.004096        | -7.77    |            |
| 138     | SEKYERE SOUTH        | 0.004150                         | 0.004443        | 7.07     | 0.004495        | 8.33     | 0.004143        | -0.15    |            |
| 139     | AFIGYA KWABRE        | 0.004996                         | 0.005091        | 1.90     | 0.004762        | -4.69    | 0.004766        | -4.61    |            |
|         |                      | <b>0.142578</b>                  | <b>0.147938</b> |          | <b>0.146598</b> |          | <b>0.141336</b> |          |            |
|         | <b>TOTAL</b>         |                                  |                 |          |                 |          |                 |          |            |

TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION      | NO.                 | METRO/MUNICIPAL DISTRICT        | 2016C           | 2017A    | % INCREASE | 2017B             | % INCREASE | 2017C           | % INCREASE |
|-------------|---------------------|---------------------------------|-----------------|----------|------------|-------------------|------------|-----------------|------------|
| BRONG AHAFO | 140                 | ASSEMBLIES<br>SUNYANI MUNICIPAL | 0.005276        | 0.004881 | -7.48      | 0.004629          | -12.26     | 0.004690        | -11.11     |
|             | 141                 | SUNYANI WEST                    | 0.004790        | 0.004285 | -10.54     | 0.004408          | -7.98      | 0.004815        | 0.51       |
|             | 142                 | DORMAA CENTRAL MUN.             | 0.004044        | 0.004177 | 3.30       | 0.004124          | 1.98       | 0.004030        | -0.33      |
|             | 143                 | DORMAA WEST                     | 0.004915        | 0.005130 | 4.38       | 0.004601          | -6.39      | 0.005101        | 3.79       |
|             | 144                 | DORMAA EAST                     | 0.004083        | 0.004074 | -0.22      | 0.004002          | -1.97      | 0.004028        | -1.34      |
|             | 145                 | BEREKUM MUNICIPAL               | 0.004346        | 0.004070 | -6.36      | 0.004220          | -2.89      | 0.004060        | -6.59      |
|             | 146                 | ASUNAFU NORTH MUN.              | 0.004505        | 0.004345 | -3.55      | 0.004401          | -2.32      | 0.004409        | -2.14      |
|             | 147                 | ASUNAFU SOUTH                   | 0.004370        | 0.003855 | -11.77     | 0.004137          | -5.33      | 0.004136        | -5.35      |
|             | 148                 | TECHIMAN MUNICIPAL              | 0.004018        | 0.004071 | 1.32       | 0.004196          | 4.44       | 0.004143        | 3.12       |
|             | 149                 | TECHIMAN NORTH                  | 0.005274        | 0.004735 | -10.23     | 0.004831          | -8.40      | 0.004728        | -10.35     |
|             | 150                 | KINTAMPO MUNICIPAL              | 0.004050        | 0.004057 | 0.16       | 0.004056          | 0.16       | 0.004105        | 1.37       |
|             | 151                 | KINTAMPO SOUTH                  | 0.003949        | 0.004121 | 4.36       | 0.004008          | 1.49       | 0.004207        | 6.54       |
|             | 152                 | WENCHI MUNICIPAL                | 0.004088        | 0.003983 | -2.57      | 0.004056          | -0.78      | 0.004065        | -0.56      |
|             | 153                 | TAIN                            | 0.003976        | 0.005512 | 38.65      | 0.004958          | 24.71      | 0.004626        | 16.36      |
|             | 154                 | BANDA                           | 0.004240        | 0.005380 | 26.89      | 0.004628          | 9.17       | 0.004417        | 4.18       |
|             | 155                 | ATEBUBU AMANTIN                 | 0.004953        | 0.004343 | -12.32     | 0.004291          | -13.38     | 0.004714        | -4.82      |
| 156         | PRU                 | 0.004906                        | 0.004550        | -7.25    | 0.004843   | -1.28             | 0.004639   | -5.43           |            |
| 157         | NKORANZA SOUTH MUN. | 0.004293                        | 0.003946        | -8.08    | 0.004053   | -5.59             | 0.004092   | -4.69           |            |
| 158         | NKORANZA NORTH      | 0.004008                        | 0.003930        | -1.94    | 0.004173   | 4.12              | 0.004011   | 0.08            |            |
| 159         | SENE WEST           | 0.004381                        | 0.004380        | -0.02    | 0.004124   | -5.88             | 0.004253   | -2.93           |            |
| 160         | SENE EAST           | 0.004988                        | 0.006760        | 35.53    | 0.005313   | 6.52              | 0.005653   | 13.33           |            |
| 161         | JAMAN SOUTH         | 0.005019                        | 0.004111        | -18.10   | 0.004265   | -15.02            | 0.004451   | -11.32          |            |
| 162         | JAMAN NORTH         | 0.004029                        | 0.004319        | 7.19     | 0.004098   | 1.70              | 0.004373   | 8.53            |            |
| 163         | TANO SOUTH          | 0.004696                        | 0.004074        | -13.25   | 0.004272   | -9.04             | 0.004114   | -12.40          |            |
| 164         | TANO NORTH          | 0.004366                        | 0.004334        | -0.72    | 0.004018   | -7.96             | 0.004353   | -0.31           |            |
| 165         | ASUTIFI NORTH       | 0.005101                        | 0.004542        | -10.95   | 0.004528   | -11.23            | 0.004625   | -9.34           |            |
| 166         | ASUTIFI SOUTH       | 0.004067                        | 0.004100        | 0.82     | 0.004099   | 0.79              | 0.004166   | 2.44            |            |
|             |                     | <b>0.120731</b>                 | <b>0.120067</b> |          |            | <b>-62.627328</b> |            | <b>0.119004</b> |            |
|             |                     | <b>TOTAL</b>                    |                 |          |            |                   |            |                 |            |

TABLE 9  
2017 AND 2016 RATIOS COMPARED

| REGION   | NO.            | METRO/MUNICIPAL/DISTRICT ASSEMBLIES | 2016C           | 2017A    | % INCREASE      | 2017B    | % INCREASE      | 2017C    | % INCREASE |
|----------|----------------|-------------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|------------|
| NORTHERN | 167            | TAMALE METRO.                       | 0.005697        | 0.005069 | -11.01          | 0.005816 | 2.10            | 0.005226 | -8.26      |
|          | 168            | SAGNERIGU                           | 0.004435        | 0.004452 | 0.38            | 0.004802 | 8.27            | 0.004479 | 1.00       |
|          | 169            | YENDI MUNICIPAL                     | 0.004322        | 0.004148 | -4.02           | 0.004071 | -5.81           | 0.004246 | -1.75      |
|          | 170            | MION                                | 0.005006        | 0.004290 | -14.29          | 0.004333 | -13.44          | 0.004744 | -5.24      |
|          | 171            | WEST GONJA                          | 0.004301        | 0.003960 | -7.93           | 0.004186 | -2.67           | 0.004040 | -6.07      |
|          | 172            | NORTH GONJA                         | 0.004347        | 0.004218 | -2.97           | 0.004002 | -7.94           | 0.004331 | -0.36      |
|          | 173            | CENTRAL GONJA                       | 0.004527        | 0.004762 | 5.19            | 0.004598 | 1.56            | 0.004858 | 7.30       |
|          | 174            | EAST GONJA                          | 0.005125        | 0.004938 | -3.65           | 0.004945 | -3.50           | 0.004518 | -11.85     |
|          | 175            | KPANDAI                             | 0.004781        | 0.005432 | 13.62           | 0.005126 | 7.22            | 0.004543 | -4.97      |
|          | 176            | BOLE                                | 0.004057        | 0.003954 | -2.53           | 0.003384 | -16.58          | 0.004053 | -0.09      |
|          | 177            | SAWLA-TUNA-KALBA                    | 0.004612        | 0.004084 | -11.46          | 0.004069 | -11.77          | 0.004206 | -8.80      |
|          | 178            | NANUMBA NORTH                       | 0.004668        | 0.004110 | -11.94          | 0.004285 | -8.20           | 0.004182 | -10.42     |
|          | 179            | NANUMBA SOUTH                       | 0.004878        | 0.004331 | -11.21          | 0.004375 | -10.31          | 0.004417 | -9.44      |
|          | 180            | WEST MAMPRUSI                       | 0.004455        | 0.004082 | -8.38           | 0.004101 | -7.94           | 0.004202 | -5.68      |
|          | 181            | MAMPRUGU-MOAGDURI                   | 0.004663        | 0.005490 | 17.75           | 0.004144 | -11.11          | 0.004535 | -2.74      |
|          | 182            | EAST MAMPRUSI                       | 0.004728        | 0.004232 | -10.48          | 0.004308 | -8.88           | 0.004302 | -9.02      |
|          | 183            | BUNKPURUGU/YUNYOO                   | 0.004546        | 0.003990 | -12.23          | 0.004037 | -11.20          | 0.004105 | -9.70      |
|          | 184            | SAVELUGU/NANTON                     | 0.004397        | 0.003924 | -10.75          | 0.004103 | -6.68           | 0.004163 | -5.30      |
|          | 185            | GUSHEGU                             | 0.004554        | 0.004220 | -7.34           | 0.004148 | -8.92           | 0.004022 | -11.67     |
| 186      | KARAGA         | 0.003935                            | 0.004287        | 8.95     | 0.004063        | 3.26     | 0.004098        | 4.15     |            |
| 187      | ZABZUGU        | 0.004271                            | 0.004368        | 2.27     | 0.004156        | -2.70    | 0.004176        | -2.24    |            |
| 188      | TATALE SANGULI | 0.004354                            | 0.004312        | -0.98    | 0.004455        | 2.32     | 0.004401        | 1.08     |            |
| 189      | SABOBA         | 0.003859                            | 0.005111        | 32.45    | 0.004990        | 29.30    | 0.004735        | 22.70    |            |
| 190      | CHERIPONI      | 0.003871                            | 0.004085        | 5.53     | 0.004114        | 6.29     | 0.004191        | 8.26     |            |
| 191      | TOLON          | 0.003813                            | 0.003802        | -0.28    | 0.004166        | 9.26     | 0.004088        | 7.22     |            |
| 192      | KUMBUNGU       | 0.003874                            | 0.004417        | 14.01    | 0.004211        | 8.69     | 0.004110        | 6.08     |            |
|          |                | <b>0.116073</b>                     | <b>0.114068</b> |          | <b>0.112988</b> |          | <b>0.112970</b> |          |            |

TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION     | NO. | METRO/MUNICIPAL/DISTRICT | 2016C    | 2017A    | % INCREASE | 2017B    | % INCREASE | 2017C    | % INCREASE |
|------------|-----|--------------------------|----------|----------|------------|----------|------------|----------|------------|
| UPPER WEST | 183 | ASSEMBLIES WA MUNICIPAL  | 0.005065 | 0.004372 | -13.68     | 0.004594 | -9.30      | 0.004627 | -8.64      |
|            | 184 | WA WEST                  | 0.003949 | 0.003863 | -2.18      | 0.004029 | 2.01       | 0.004190 | 6.10       |
|            | 195 | WA EAST                  | 0.004714 | 0.004090 | -13.25     | 0.004079 | -13.47     | 0.004407 | -6.51      |
|            | 196 | LAWRA                    | 0.003982 | 0.003763 | -5.51      | 0.004027 | 1.12       | 0.004054 | 1.81       |
|            | 197 | NANDOM                   | 0.003962 | 0.003812 | -3.78      | 0.004114 | 3.84       | 0.004233 | 6.85       |
|            | 198 | SISSALA EAST             | 0.003977 | 0.003942 | -0.89      | 0.004040 | 1.60       | 0.004043 | 1.67       |
|            | 199 | SISSALA WEST             | 0.004055 | 0.003834 | -5.45      | 0.004063 | 0.20       | 0.004169 | 2.81       |
|            | 200 | JIRAPA                   | 0.003919 | 0.004052 | 3.40       | 0.004488 | 14.53      | 0.004438 | 13.25      |
|            | 201 | LAMBUSSIE KANI           | 0.003853 | 0.003842 | -0.29      | 0.004104 | 6.51       | 0.004135 | 7.33       |
|            | 202 | NADOWLI KALEO            | 0.003931 | 0.003871 | -1.53      | 0.004112 | 4.62       | 0.004795 | 21.99      |
|            | 203 | DAFFIAMA-BUSSIE-ISSA     | 0.005381 | 0.004219 | -21.59     | 0.004367 | -18.84     | 0.004501 | -16.36     |
|            |     | TOTAL                    | 0.046788 | 0.043660 |            | 0.046018 |            | 0.047593 |            |

TABLE 9

2017 AND 2016 RATIOS COMPARED

| REGION     | NO.          | METRO/MUNICIPAL/DISTRICT   | 2016C    | 2017A    | % INCREASE | 2017B    | % INCREASE | 2017C    | % INCREASE |
|------------|--------------|----------------------------|----------|----------|------------|----------|------------|----------|------------|
| UPPER EAST | 204          | ASSEMBLIES BOLGA MUNICIPAL | 0.005254 | 0.004858 | -7.53      | 0.004752 | -9.55      | 0.004686 | -10.82     |
|            | 205          | TALENSI                    | 0.004006 | 0.003985 | -0.52      | 0.004187 | 4.51       | 0.004062 | 1.39       |
|            | 206          | NABDAM                     | 0.004334 | 0.004013 | -7.40      | 0.004583 | 5.75       | 0.004123 | -4.88      |
|            | 207          | BAWKU MUNICIPAL            | 0.004668 | 0.004451 | -4.64      | 0.004251 | -8.93      | 0.004233 | -9.31      |
|            | 208          | BINDURI                    | 0.004526 | 0.004030 | -10.97     | 0.004070 | -10.07     | 0.004284 | -5.34      |
|            | 209          | PUSIGA                     | 0.004573 | 0.004152 | -9.20      | 0.004214 | -7.86      | 0.004203 | -8.09      |
|            | 210          | GARU-TEMPANE               | 0.004494 | 0.004194 | -6.67      | 0.004084 | -9.14      | 0.004291 | -4.52      |
|            | 211          | BAWKU WEST                 | 0.004048 | 0.004175 | 3.14       | 0.004142 | 2.32       | 0.004291 | 6.01       |
|            | 212          | KASSENA NANKANA MUN.       | 0.005309 | 0.004584 | -13.65     | 0.004584 | -13.65     | 0.004311 | -18.80     |
|            | 213          | KASSENA NANKANA WEST       | 0.003908 | 0.004181 | 6.99       | 0.004087 | 4.59       | 0.004286 | 9.67       |
|            | 214          | BUILSA NORTH               | 0.003978 | 0.004059 | 2.04       | 0.004875 | 22.56      | 0.004065 | 2.18       |
| 215        | BUILSA SOUTH | 0.003963                   | 0.004165 | 5.11     | 0.004311   | 8.78     | 0.004258   | 7.44     |            |
| 216        | BONGO        | 0.005529                   | 0.004818 | -12.86   | 0.005160   | -6.67    | 0.004597   | -16.86   |            |
|            |              | TOTAL                      | 0.058590 | 0.055668 |            | 0.057301 |            | 0.055689 |            |
|            |              | G/TOTAL                    | 1.000000 | 1.000000 |            | 0.882667 |            | 1.000000 |            |

TABLE 10

2017 AND 2016 RATIOS COMPARED

| REGION  | NO. | METRO/MUNICIPALITY ASSEMBLIES | 2016C                | 2017A        | % INCREASE           | 2017B        | % INCREASE           | 2017C        | % INCREASE |
|---------|-----|-------------------------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|------------|
| WESTERN | 1   | SEKONDI TAKORADI METRO.       | 4,754,656.20         | 5,565,925.16 | 17.06                | 5,184,608.62 | 9.04                 | 4,276,308.33 | -10.06     |
|         | 2   | SHAMA                         | 2,954,307.86         | 3,020,645.45 | 2.25                 | 3,015,431.51 | 2.07                 | 2,995,675.34 | 1.40       |
|         | 3   | NZEMA EAST MUNICIPAL          | 2,686,123.19         | 2,862,988.74 | 6.58                 | 2,787,538.63 | 3.78                 | 2,804,243.96 | 4.40       |
|         | 4   | ELLEMBELLE                    | 2,679,584.37         | 2,518,444.49 | -6.01                | 2,935,633.88 | 9.56                 | 3,138,049.34 | 17.11      |
|         | 5   | TARKWA NSUEM MUNICIPAL        | 3,397,318.20         | 2,748,441.76 | -19.10               | 3,220,607.73 | -5.20                | 3,074,491.91 | -9.50      |
|         | 6   | PRESTEA-HUNI VALLEY           | 3,468,971.76         | 3,200,276.43 | -7.75                | 3,240,226.60 | -6.59                | 3,250,906.88 | -6.29      |
|         | 7   | AHANTA WEST                   | 2,683,612.81         | 2,471,643.48 | -7.90                | 3,034,564.28 | 13.08                | 3,043,653.20 | 13.42      |
|         | 8   | AMENFI WEST                   | 2,784,377.04         | 2,857,501.46 | 2.63                 | 2,797,305.59 | 0.46                 | 2,800,246.29 | 0.57       |
|         | 9   | AMENFI CENTRAL                | 2,760,531.76         | 3,145,583.70 | 13.95                | 2,973,724.84 | 7.72                 | 3,089,254.91 | 11.91      |
|         | 10  | AMENFI EAST                   | 2,686,410.13         | 2,836,238.25 | 5.58                 | 2,832,625.58 | 5.44                 | 2,791,820.83 | 3.92       |
|         | 11  | SEFWI WIAWISO                 | 3,291,121.79         | 3,244,354.76 | -1.42                | 3,124,791.00 | -5.05                | 3,136,866.19 | -4.69      |
|         | 12  | SEFWI AKONTOMBRA              | 2,647,356.85         | 2,489,830.45 | -5.95                | 2,894,742.29 | 9.34                 | 2,963,678.49 | 11.95      |
|         | 13  | WASSA EAST                    | 2,631,243.08         | 3,622,504.46 | 37.67                | 3,069,434.65 | 16.65                | 3,353,531.04 | 27.45      |
|         | 14  | MPOHOR                        | 3,097,713.79         | 2,803,835.47 | -9.49                | 2,795,083.65 | -9.77                | 3,026,852.49 | -2.29      |
|         | 15  | BIBIANWIBEK                   | 2,629,228.86         | 3,020,770.63 | 14.89                | 2,772,448.56 | 5.45                 | 3,257,760.23 | 23.91      |
|         | 16  | JUABOSO                       | 2,980,374.60         | 2,624,858.58 | -11.93               | 2,776,742.76 | -6.83                | 2,839,817.56 | -4.72      |
|         | 17  | BODI                          | 3,252,294.34         | 2,941,792.86 | -9.55                | 3,086,197.15 | -5.11                | 3,215,625.87 | -1.13      |
|         | 18  | BIA WEST                      | 2,670,856.08         | 2,740,509.32 | 2.61                 | 2,796,709.88 | 4.71                 | 2,698,604.68 | 1.04       |
|         | 19  | BIA EAST                      | 3,332,863.15         | 3,266,445.58 | -1.99                | 3,339,668.65 | 0.20                 | 3,541,439.22 | 6.26       |
|         | 20  | AOWIN                         | 2,711,811.90         | 2,721,755.30 | 0.37                 | 2,814,913.04 | 3.80                 | 2,670,543.68 | -1.52      |
|         | 21  | SUAMAN                        | 3,363,076.45         | 4,021,084.05 | 19.57                | 3,472,698.52 | 3.26                 | 3,686,477.41 | 9.62       |
|         | 22  | JOMORO                        | 3,164,445.05         | 3,139,079.23 | -0.80                | 3,293,435.40 | 4.08                 | 2,819,108.90 | -10.91     |
|         |     | <b>66,628,279.25</b>          | <b>67,864,509.64</b> |              | <b>68,259,132.80</b> |              | <b>68,474,956.76</b> |              |            |

**TABLE 10**  
**2017 AND 2016 RATIOS COMPARED**

| REGION  | NO. | METRO/MUNI/DISTRICT ASSEMBLIES | 2016C                | 2017A                | % INCREASE | 2017B                | % INCREASE | 2017C                | % INCREASE |
|---------|-----|--------------------------------|----------------------|----------------------|------------|----------------------|------------|----------------------|------------|
| CENTRAL | 23  | CAPE COAST METRO.              | 3,572,414.86         | 3,781,534.25         | 5.85       | 3,609,094.87         | 1.03       | 3,410,134.87         | -4.54      |
|         | 24  | MFANTSEMAM WEST MUN.           | 3,677,753.25         | 3,328,721.70         | -9.49      | 3,302,073.60         | -10.21     | 3,074,726.65         | -16.40     |
|         | 25  | EKUMFI                         | 3,369,790.52         | 3,382,222.69         | 0.37       | 3,693,197.79         | 9.60       | 4,052,878.46         | 20.27      |
|         | 26  | KOMEDI/EGU/ABI MUN.            | 3,041,450.97         | 2,892,248.86         | -4.91      | 2,925,208.50         | -3.82      | 2,883,111.61         | -5.21      |
|         | 27  | UPP. DENKY. EAST MUN.          | 2,887,720.47         | 3,057,101.30         | 5.87       | 3,024,559.48         | 4.74       | 2,829,338.25         | -2.02      |
|         | 28  | UPPER DENKYIRA WEST            | 3,361,062.23         | 2,932,081.65         | -12.76     | 3,371,418.38         | 0.31       | 2,996,261.79         | -10.85     |
|         | 29  | EFFUTU MUNICIPAL               | 3,253,468.30         | 3,491,734.22         | 7.32       | 3,208,840.49         | -1.37      | 3,467,502.75         | 6.58       |
|         | 30  | AWUTU SENYA                    | 3,099,885.00         | 2,776,274.63         | -10.44     | 2,889,073.49         | -6.80      | 2,765,220.28         | -10.80     |
|         | 31  | AWUTU SENYA EAST MUNICIPAL     | 3,841,118.06         | 3,786,135.65         | -1.43      | 3,494,938.28         | -9.01      | 3,717,052.06         | -3.23      |
|         | 32  | AGONA WEST MUN.                | 2,854,757.66         | 2,796,619.78         | -2.04      | 2,762,279.45         | -3.24      | 2,656,623.44         | -6.94      |
|         | 33  | AGONA EAST                     | 3,052,215.12         | 2,749,026.32         | -9.93      | 2,866,854.41         | -6.07      | 2,765,303.91         | -9.40      |
|         | 34  | ASSIN NORTH MUN.               | 2,836,803.00         | 2,935,125.13         | 3.47       | 2,925,034.97         | 3.11       | 2,832,837.74         | -0.14      |
|         | 35  | ASSIN SOUTH                    | 3,014,188.19         | 2,929,369.14         | -2.81      | 2,897,959.62         | -3.86      | 2,982,394.50         | -1.05      |
|         | 36  | TWIFO AT-MORKWA                | 3,133,455.34         | 3,241,910.45         | 3.46       | 3,099,023.09         | -1.10      | 3,102,787.14         | -0.98      |
|         | 37  | TWIFO HEMANGI/LOWER/DEN.       | 3,453,716.36         | 2,680,978.67         | -22.37     | 3,164,153.94         | -8.38      | 2,998,655.76         | -13.18     |
|         | 38  | AJUJENY/ESSIAM                 | 2,829,076.89         | 2,958,393.79         | 4.57       | 2,842,583.52         | 0.48       | 2,846,251.26         | 0.61       |
|         | 39  | GOMOA                          | 3,199,849.65         | 3,030,443.91         | -5.29      | 3,054,994.60         | -4.53      | 3,039,222.82         | -5.02      |
|         | 40  | GOMOA EAST                     | 3,390,604.13         | 4,258,788.48         | 25.61      | 3,653,584.91         | 7.76       | 4,184,791.04         | 23.42      |
|         | 41  | ASI/ODO/BRAKWA                 | 2,843,518.48         | 3,070,661.92         | 7.99       | 3,201,087.39         | 12.57      | 3,115,413.86         | 9.56       |
|         | 42  | ABURAI ASEBUJKWAN.             | 2,748,273.37         | 2,921,719.12         | 6.31       | 2,962,685.71         | 7.80       | 2,656,517.41         | -3.34      |
|         |     |                                | <b>63,461,121.86</b> | <b>63,001,091.66</b> |            | <b>62,948,646.49</b> |            | <b>62,377,025.59</b> |            |

**TABLE 10**  
**2017 AND 2016 RATIOS COMPARED**

| REGION                         | NO. | METRO/MUNICIPAL/DISTRICT ASSEMBLIES | 2016C                | 2017A        | % INCREASE           | 2017B        | % INCREASE           | 2017C         | % INCREASE |
|--------------------------------|-----|-------------------------------------|----------------------|--------------|----------------------|--------------|----------------------|---------------|------------|
| GT. ACCRA                      | 43  | ACCRA METRO.                        | 9,171,416.31         | 9,807,261.44 | 6.93                 | 8,326,473.45 | -9.21                | 10,184,961.04 | 11.05      |
|                                | 44  | LA DADE-KOTOPON MUNICIPAL           | 5,279,271.34         | 5,003,714.16 | -5.22                | 6,660,616.57 | 26.17                | 5,275,655.83  | -0.07      |
|                                | 45  | LEDZEKUKU-KROWOR MUN.               | 4,547,437.97         | 3,857,529.30 | -15.17               | 4,333,534.95 | -4.70                | 4,282,523.99  | -5.83      |
|                                | 46  | TEMA METRO.                         | 3,491,351.68         | 4,149,042.43 | 18.84                | 4,420,648.88 | 26.62                | 4,238,259.31  | 21.39      |
|                                | 47  | KPONE AKATAMANSO                    | 4,384,286.13         | 4,776,183.50 | 8.94                 | 4,371,852.00 | -0.28                | 4,435,830.90  | 1.18       |
|                                | 48  | ASHAIMAN MUNICIPAL                  | 3,259,978.70         | 4,736,610.78 | 45.30                | 3,654,532.28 | 12.10                | 4,502,549.83  | 38.12      |
|                                | 49  | ADENTA MUNICIPAL                    | 2,937,404.57         | 3,185,159.07 | 8.43                 | 4,769,136.48 | 62.36                | 3,301,694.58  | 12.40      |
|                                | 50  | GA WEST MUNICIPAL                   | 3,430,847.09         | 4,046,928.60 | 17.96                | 4,136,537.39 | 20.57                | 4,568,515.46  | 33.16      |
|                                | 51  | GA SOUTH                            | 3,808,959.70         | 4,134,183.53 | 8.54                 | 3,873,245.38 | 1.69                 | 4,571,998.37  | 20.03      |
|                                | 52  | GA CENTRAL MUNICIPAL                | 4,731,403.42         | 5,198,700.68 | 9.88                 | 5,291,443.40 | 11.84                | 5,208,641.95  | 10.09      |
|                                | 53  | GA EAST MUNICIPAL                   | 3,538,313.61         | 3,507,777.62 | -0.86                | 4,197,171.73 | 18.62                | 4,084,609.46  | 15.44      |
| LA NKANTANANG MADINA MUNICIPAL | 54  | MUNICIPAL                           | 3,030,736.73         | 3,704,965.41 | 22.25                | 3,795,256.04 | 25.23                | 3,597,096.44  | 18.69      |
|                                | 55  | ADA EAST                            | 2,748,067.86         | 2,970,323.87 | 8.09                 | 3,108,958.94 | 13.13                | 2,985,368.13  | 8.64       |
|                                | 56  | ADA WEST                            | 3,222,998.08         | 3,385,302.85 | 5.04                 | 3,170,476.12 | -1.63                | 3,385,140.68  | 5.03       |
|                                | 57  | SHAIJOSUDOKU                        | 3,027,373.07         | 2,894,344.01 | -4.39                | 3,034,378.67 | 0.23                 | 2,923,825.99  | -3.42      |
|                                | 58  | NINGOIPRAMPRAM                      | 3,031,401.51         | 2,880,863.47 | -4.97                | 3,013,974.33 | -0.57                | 2,924,493.19  | -3.53      |
|                                |     | <b>63,641,247.77</b>                | <b>68,238,890.72</b> |              | <b>70,158,246.60</b> |              | <b>70,471,165.15</b> |               |            |

TABLE 10

## 2017 AND 2016 RATIOS COMPARED

| REGION  | NO. | METRO/MUNICIPAL/DISTRICT ASSEMBLIES | 2016C                | 2017A                | % INCREASE | 2017B                | % INCREASE | 2017C                | % INCREASE |
|---------|-----|-------------------------------------|----------------------|----------------------|------------|----------------------|------------|----------------------|------------|
| EASTERN | 59  | NEW JUABEN MUNICIPAL                | 3,639,696.04         | 3,712,830.62         | 2.01       | 3,446,743.94         | -5.30      | 3,600,003.59         | -1.09      |
|         | 60  | NSAWAMI/ADOAGYIRI                   | 2,660,956.53         | 2,864,700.25         | 7.66       | 2,784,780.98         | 4.65       | 2,803,219.93         | 5.35       |
|         | 61  | AKUJAPEM SOUTH                      | 2,787,663.76         | 2,672,461.27         | -4.13      | 2,755,833.42         | -1.14      | 2,780,484.84         | -0.26      |
|         | 62  | WEST AKIM MUNICIPAL                 | 2,719,868.78         | 2,784,455.98         | 2.37       | 2,761,649.31         | 1.54       | 2,927,106.88         | 7.62       |
|         | 63  | UPPER WEST AKIM                     | 2,737,330.46         | 3,093,196.21         | 13.00      | 3,085,116.63         | 12.71      | 3,089,600.31         | 12.87      |
|         | 64  | EAST AKIM MUNICIPAL                 | 2,842,113.85         | 3,090,853.36         | 8.75       | 3,097,645.96         | 8.99       | 3,067,734.98         | 7.94       |
|         | 65  | ATIWA                               | 2,680,255.78         | 2,789,411.15         | 4.07       | 2,753,989.45         | 2.75       | 2,809,701.49         | 4.83       |
|         | 66  | BIRIM CENTRAL MUNICIPAL             | 2,869,133.96         | 2,844,746.95         | -0.85      | 2,870,297.46         | 0.04       | 2,846,027.16         | -0.81      |
|         | 67  | BIRIM SOUTH                         | 3,323,082.77         | 3,089,634.24         | -7.03      | 3,030,162.11         | -8.81      | 3,088,942.64         | -7.05      |
|         | 68  | BIRIM NORTH                         | 2,713,826.12         | 3,029,921.84         | 11.65      | 3,094,423.57         | 14.02      | 3,052,653.85         | 12.49      |
|         | 69  | AKYEMANSO                           | 3,214,641.34         | 2,983,292.85         | -7.20      | 2,949,891.73         | -8.24      | 2,941,906.05         | -8.48      |
|         | 70  | KWAHU WEST MUNICIPAL                | 2,970,974.90         | 2,758,156.85         | -7.16      | 2,962,568.09         | -0.28      | 2,761,861.44         | -7.04      |
|         | 71  | KWAHU EAST                          | 2,845,239.90         | 2,765,402.37         | -2.81      | 3,074,067.56         | 8.04       | 2,773,893.40         | -2.51      |
|         | 72  | KWAHU SOUTH                         | 2,623,857.61         | 2,526,719.65         | -3.70      | 2,924,457.40         | 11.46      | 2,752,713.84         | 4.91       |
|         | 73  | KWAHU AFRAM PLAINS NORTH            | 3,113,401.72         | 3,105,705.80         | -0.25      | 3,371,643.69         | 8.29       | 3,145,323.03         | 1.03       |
|         | 74  | KWAHU AFRAM PLAINS SOUTH            | 3,375,590.44         | 2,770,073.62         | -17.94     | 3,137,999.48         | -7.04      | 3,323,266.00         | -1.55      |
|         | 75  | AKUJAPIM NORTH MUNICIPAL            | 3,231,480.73         | 3,176,623.43         | -1.70      | 3,048,918.71         | -5.65      | 3,160,918.13         | -2.18      |
|         | 76  | YILO KROBO MUNICIPAL                | 2,786,139.05         | 2,821,274.49         | 1.26       | 2,924,326.68         | 4.96       | 2,759,877.43         | -0.94      |
|         | 77  | MANYA KROBO MUNICIPAL               | 2,677,570.15         | 2,765,902.91         | 3.30       | 2,823,764.28         | 5.46       | 2,754,024.83         | 2.86       |
|         | 78  | UPPER MANYA KROBO                   | 2,960,150.79         | 4,432,635.57         | 49.74      | 3,633,021.18         | 22.73      | 3,777,624.91         | 27.62      |
|         | 79  | SUHUM MUNICIPAL                     | 2,653,399.51         | 2,794,736.90         | 5.33       | 2,782,179.58         | 4.85       | 2,816,054.22         | 6.13       |
|         | 80  | AYENSUANO                           | 3,293,996.79         | 3,391,779.67         | 2.97       | 3,105,771.22         | -5.71      | 3,136,049.43         | -4.80      |
|         | 81  | KWAEBIBIRIM                         | 2,711,140.49         | 2,896,622.03         | 6.84       | 2,749,864.24         | 1.43       | 2,793,367.52         | 3.03       |
|         | 82  | DENKYEMBOUR                         | 3,595,882.81         | 3,250,114.36         | -9.62      | 3,375,807.40         | -6.12      | 3,453,294.95         | -3.97      |
|         | 83  | ASUOGYAMAN                          | 2,582,230.39         | 3,175,892.79         | 22.99      | 2,986,753.16         | 15.67      | 3,029,020.89         | 17.30      |
|         | 84  | FANTEAKWA                           | 2,653,809.93         | 3,160,577.64         | 19.10      | 2,999,850.61         | 13.04      | 3,055,392.17         | 15.13      |
|         |     |                                     | <b>76,263,434.57</b> | <b>78,747,722.79</b> |            | <b>78,531,527.83</b> |            | <b>78,500,063.91</b> |            |



TABLE 10  
2017 AND 2016 RATIOS COMPARED

| REGION | NO.                  | METRO/MUNICIPAL DISTRICT ASSEMBLIES | 2016C                | 2017A        | % INCREASE           | 2017B        | % INCREASE           | 2017C        | % INCREASE |
|--------|----------------------|-------------------------------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|------------|
| VOLTA  | 85                   | HO MUNICIPAL                        | 3,610,825.54         | 3,241,931.70 | -10.22               | 3,452,553.09 | -4.38                | 3,451,618.08 | -4.41      |
|        | 86                   | HO WEST                             | 2,642,657.00         | 2,682,930.72 | 1.52                 | 2,746,085.65 | 3.91                 | 2,809,088.78 | 6.30       |
|        | 87                   | AGORTIME-ZIOPE                      | 3,142,183.63         | 3,337,956.18 | 6.23                 | 3,097,250.95 | -1.43                | 3,371,827.94 | 7.31       |
|        | 88                   | ADAKLU-                             | 2,701,609.24         | 2,956,192.33 | 9.42                 | 2,875,853.73 | 6.45                 | 2,840,711.30 | 5.15       |
|        | 89                   | KETA MUNICIPAL                      | 4,051,939.78         | 3,320,341.28 | -18.06               | 3,141,040.20 | -22.48               | 3,073,707.40 | -24.14     |
|        | 90                   | HOHOE MUNICIPAL                     | 3,302,649.84         | 3,754,101.27 | 13.67                | 3,562,261.80 | 7.86                 | 3,738,159.64 | 13.19      |
|        | 91                   | AFADZETO                            | 3,224,457.33         | 3,593,825.24 | 11.46                | 3,030,677.50 | -6.01                | 3,558,590.11 | 10.36      |
|        | 92                   | KRACHI WEST                         | 3,149,569.10         | 2,815,773.49 | -10.60               | 2,846,334.92 | -9.63                | 2,868,097.44 | -8.94      |
|        | 93                   | KRACHI NTSUMURU                     | 2,629,228.86         | 3,392,152.69 | 29.02                | 3,099,078.09 | 17.87                | 3,605,566.49 | 37.13      |
|        | 94                   | KRACHI EAST                         | 3,043,506.01         | 3,164,655.98 | 3.98                 | 3,104,136.92 | 1.99                 | 3,200,620.82 | 5.16       |
| 95     | KETU SOUTH MUNICIPAL | 3,144,238.24                        | 4,031,984.28         | 28.23        | 3,702,396.81         | 17.75        | 4,038,667.02         | 28.45        |            |
| 96     | KETU NORTH           | 3,610,154.14                        | 2,875,256.95         | -20.36       | 3,399,963.49         | -5.82        | 3,252,043.59         | -9.92        |            |
| 97     | JASIKAN              | 2,621,843.39                        | 2,812,496.81         | 7.27         | 2,842,288.70         | 8.41         | 2,770,848.27         | 5.68         |            |
| 98     | BLAKOYE              | 2,632,585.90                        | 2,947,895.57         | 11.98        | 2,792,397.89         | 6.07         | 2,923,523.56         | 11.05        |            |
| 99     | SOUTH TONGU          | 2,699,726.57                        | 2,896,267.88         | 7.28         | 2,863,749.14         | 6.08         | 3,057,132.53         | 13.24        |            |
| 100    | CENTRAL TONGU        | 2,823,936.82                        | 2,809,928.87         | -0.50        | 2,840,598.33         | 0.59         | 2,794,109.58         | -1.06        |            |
| 101    | NORTH TONGU          | 2,740,882.39                        | 4,599,027.20         | 67.81        | 3,461,678.80         | 26.31        | 4,164,646.23         | 51.96        |            |
| 102    | KPANDO MUNICIPAL     | 2,680,927.18                        | 2,762,403.93         | 3.04         | 2,810,591.87         | 4.84         | 2,776,029.17         | 3.55         |            |
| 103    | NORTH DAYI           | 2,681,598.59                        | 2,798,183.02         | 4.35         | 2,830,592.07         | 5.56         | 2,802,875.73         | 4.52         |            |
| 104    | SOUTH DAYI           | 2,690,998.29                        | 2,798,823.66         | 4.01         | 2,847,524.58         | 5.82         | 2,825,667.96         | 5.00         |            |
| 105    | AKATSI SOUTH         | 3,778,005.83                        | 2,936,215.00         | -22.28       | 3,454,523.91         | -8.56        | 3,321,249.21         | -12.09       |            |
| 106    | AKATSI NORTH         | 3,464,395.64                        | 2,882,304.78         | -16.80       | 3,067,579.56         | -11.45       | 3,016,738.94         | -12.92       |            |
| 107    | NIKWANTA             | 2,870,272.57                        | 2,862,022.30         | -0.29        | 2,879,725.86         | 0.33         | 3,125,836.82         | 8.90         |            |
| 108    | NIKWANTA NORTH       | 3,271,765.13                        | 2,842,231.44         | -13.13       | 2,959,753.44         | -9.54        | 2,914,689.24         | -10.91       |            |
| 109    | KADJEBI              | 2,731,954.10                        | 2,745,117.06         | 0.48         | 2,834,852.47         | 3.77         | 2,885,143.50         | 5.61         |            |
|        |                      | <b>75,941,711.12</b>                | <b>77,860,019.62</b> |              | <b>76,543,539.77</b> |              | <b>79,187,189.37</b> |              |            |

TABLE 10  
2017 AND 2016 RATIOS COMPARED

| REGION  | NO.                  | ASSEMBLY                 | 2016C                 | 2017A        | % INCREASE            | 2017B        | % INCREASE           | 2017C        | % INCREASE |
|---------|----------------------|--------------------------|-----------------------|--------------|-----------------------|--------------|----------------------|--------------|------------|
| ASHANTI | 110                  | KUMASI METRO.            | 8,654,433.11          | 9,173,975.98 | 6.00                  | 8,504,971.46 | -1.73                | 6,893,438.39 | -20.35     |
|         | 111                  | ASOKORE MAMPONG MUN.     | 5,291,343.23          | 5,495,648.88 | 3.86                  | 5,780,580.43 | 9.25                 | 5,843,954.03 | 10.44      |
|         | 112                  | BEKWAI MUNICIPAL         | 2,970,478.50          | 3,158,684.88 | 6.34                  | 3,520,974.33 | 18.53                | 3,498,242.08 | 17.77      |
|         | 113                  | BOSOME FREHO             | 2,641,985.59          | 2,742,513.10 | 3.80                  | 2,752,529.30 | 4.18                 | 2,779,162.34 | 5.19       |
|         | 114                  | AMANSIE CENTRAL          | 2,666,156.24          | 2,805,874.78 | 5.24                  | 2,988,334.94 | 10.96                | 2,829,863.45 | 6.14       |
|         | 115                  | OBUASI MUNICIPAL         | 3,112,445.08          | 4,986,023.31 | 60.20                 | 4,426,922.40 | 42.23                | 3,567,206.00 | 14.61      |
|         | 116                  | EJISU JUABEN MUNICIPAL   | 3,173,411.87          | 3,073,836.64 | -3.14                 | 3,153,535.99 | -0.63                | 3,087,090.14 | -2.72      |
|         | 117                  | MAMPONG MUNICIPAL        | 2,650,447.92          | 2,886,347.06 | 8.90                  | 2,765,072.22 | 4.32                 | 2,838,844.94 | 7.11       |
|         | 118                  | SEKYERE CENTRAL          | 2,825,502.37          | 2,933,169.42 | 3.81                  | 2,774,991.83 | -1.79                | 2,878,723.01 | 1.88       |
|         | 119                  | OFFINSO MUNICIPAL        | 2,880,299.31          | 2,897,702.23 | 0.60                  | 2,901,214.67 | 0.73                 | 2,859,665.39 | -0.72      |
|         | 120                  | OFFINSO NORTH            | 2,696,296.27          | 2,853,334.69 | 5.82                  | 2,786,912.56 | 3.36                 | 2,829,973.70 | 4.96       |
|         | 121                  | ASANTE AKIM CENTRAL MUN. | 2,851,552.97          | 2,795,598.45 | -1.96                 | 2,995,364.21 | 5.04                 | 2,799,590.84 | -1.82      |
|         | 122                  | ASANTE AKIM NORTH MUN.   | 3,399,418.09          | 3,073,169.71 | -9.60                 | 3,006,883.19 | -11.55               | 3,089,246.95 | -9.12      |
|         | 123                  | ASANTE AKIM SOUTH        | 2,765,912.35          | 3,540,904.07 | 28.02                 | 3,405,537.87 | 23.13                | 3,573,921.66 | 29.21      |
|         | 124                  | AMANSIE WEST             | 3,023,070.98          | 2,852,686.48 | -5.64                 | 2,970,148.90 | -1.75                | 2,896,688.82 | -4.18      |
| 125     | ADANSI SOUTH         | 2,923,021.95             | 3,266,693.41          | 11.76        | 3,179,218.11          | 8.76         | 3,296,045.60         | 12.76        |            |
| 126     | ADANSI NORTH         | 3,313,399.58             | 2,974,258.71          | -10.24       | 2,891,136.66          | -12.74       | 3,109,632.60         | -6.15        |            |
| 127     | SEKYERE EAST         | 2,670,856.08             | 2,885,092.90          | 8.02         | 2,905,938.64          | 8.80         | 2,821,732.23         | 5.65         |            |
| 128     | SEKYERE KUMAWU       | 2,703,755.01             | 2,759,659.05          | 2.07         | 2,875,088.42          | 6.34         | 2,828,314.59         | 4.61         |            |
| 129     | SEKYERE AF/PLAINS    | 3,124,300.24             | 3,051,002.84          | -2.35        | 3,163,192.17          | 1.24         | 2,895,343.94         | -7.33        |            |
| 130     | ATWIMA NWABIAGYA     | 3,313,980.26             | 3,531,606.69          | 6.57         | 3,622,242.64          | 9.30         | 3,345,027.40         | 0.94         |            |
| 131     | ATWIMA MPONUA        | 2,995,026.18             | 2,852,384.65          | -4.76        | 2,813,891.13          | -6.05        | 2,816,981.42         | -5.94        |            |
| 132     | AHAFO ANO NORTH      | 2,822,594.01             | 2,984,482.68          | 5.74         | 2,901,967.00          | 2.81         | 2,790,712.78         | -1.13        |            |
| 133     | AHAFO ANO SOUTH      | 2,981,580.00             | 3,282,671.84          | 10.10        | 3,103,030.95          | 4.07         | 3,104,726.47         | 4.13         |            |
| 134     | BOSOMTWI             | 2,668,841.86             | 3,378,019.66          | 26.57        | 3,405,317.70          | 27.60        | 3,154,572.98         | 18.20        |            |
| 135     | ATWIMA KWANWOMA      | 2,787,311.55             | 2,879,149.72          | 3.29         | 2,826,882.90          | 1.42         | 2,814,226.41         | 0.97         |            |
| 136     | EJUSSEKYEJUMASE MUN. | 2,698,383.76             | 2,785,444.44          | 3.23         | 2,866,700.55          | 6.24         | 2,780,666.85         | 3.05         |            |
| 137     | KWABRE EAST          | 2,981,504.91             | 3,032,903.30          | 1.72         | 3,013,805.96          | 1.08         | 2,809,221.30         | -5.78        |            |
| 138     | SEKYERE SOUTH        | 2,786,102.46             | 3,047,639.74          | 9.39         | 3,083,413.42          | 10.67        | 2,842,057.52         | 2.01         |            |
| 139     | AFIHYA KWABRE        | 3,354,255.35             | 3,491,933.31          | 4.10         | 3,266,057.09          | -2.63        | 3,268,824.28         | -2.55        |            |
|         |                      | <b>95,727,667.09</b>     | <b>101,472,412.64</b> |              | <b>100,621,857.65</b> |              | <b>96,943,698.09</b> |              |            |

TABLE 10

## 2017 AND 2016 RATIOS COMPARED

| REGION | NO. | MUNICIPALITY        | 2016C                | 2017A                | % INCREASE | 2017B                | % INCREASE | 2017C                | % INCREASE |
|--------|-----|---------------------|----------------------|----------------------|------------|----------------------|------------|----------------------|------------|
|        | 140 | SUNYANI MUNICIPAL   | 3,542,342.06         | 3,348,177.49         | -5.48      | 3,175,326.32         | -10.36     | 3,216,712.29         | -9.19      |
|        | 141 | SUNYANI WEST        | 3,216,327.67         | 2,939,381.58         | -8.61      | 3,023,582.12         | -5.99      | 3,302,485.26         | 2.68       |
|        | 142 | DORMAA CENTRAL MUN. | 2,714,995.88         | 2,865,197.92         | 5.53       | 2,828,428.07         | 4.18       | 2,764,391.56         | 1.82       |
|        | 143 | DORMAA WEST         | 3,299,964.22         | 3,518,885.88         | 6.63       | 3,155,684.30         | -4.37      | 3,499,032.53         | 6.03       |
|        | 144 | DORMAA EAST         | 2,741,353.79         | 2,794,427.77         | 1.94       | 2,745,343.28         | 0.15       | 2,763,034.44         | 0.79       |
|        | 145 | BEREKUM MUNICIPAL   | 2,917,961.19         | 2,791,519.28         | -4.33      | 2,894,817.50         | -0.79      | 2,784,568.03         | -4.57      |
|        | 146 | ASUNAFO NORTH MUN.  | 3,024,882.55         | 2,980,485.23         | -1.47      | 3,018,435.00         | -0.21      | 3,024,244.57         | -0.02      |
|        | 147 | ASUNAFO SOUTH       | 2,933,793.71         | 2,644,405.83         | -9.86      | 2,837,282.68         | -3.29      | 2,836,723.07         | -3.31      |
|        | 148 | TECHIMAN MUNICIPAL  | 2,697,465.29         | 2,792,090.24         | 3.51       | 2,878,040.83         | 6.69       | 2,841,613.01         | 5.34       |
|        | 149 | TECHIMAN NORTH      | 3,541,187.71         | 3,247,639.73         | -8.29      | 3,313,863.75         | -6.42      | 3,243,154.55         | -8.42      |
|        | 150 | KINTAMPO MUNICIPAL  | 2,719,227.29         | 2,782,459.19         | 2.33       | 2,782,380.87         | 2.32       | 2,815,938.30         | 3.56       |
|        | 151 | KINTAMPO SOUTH      | 2,651,385.29         | 2,826,805.53         | 6.62       | 2,748,899.76         | 3.68       | 2,885,891.23         | 8.84       |
|        | 152 | WENCHI MUNICIPAL    | 2,744,773.09         | 2,732,073.00         | -0.46      | 2,782,295.18         | 1.37       | 2,788,231.48         | 1.58       |
|        | 153 | TAIN                | 2,669,417.50         | 3,781,040.07         | 41.64      | 3,400,831.90         | 27.40      | 3,173,247.46         | 18.87      |
|        | 154 | BANDA               | 2,846,540.84         | 3,689,945.33         | 29.63      | 3,174,601.68         | 11.52      | 3,029,561.10         | 6.43       |
|        | 155 | ATEBUBU AMANTIN     | 3,325,477.67         | 2,978,912.43         | -10.42     | 2,942,902.87         | -11.50     | 3,233,538.03         | -2.76      |
|        | 156 | PRU                 | 3,293,921.55         | 3,121,091.73         | -5.25      | 3,321,944.55         | 0.85       | 3,182,265.98         | -3.39      |
|        | 157 | NKORANZA SOUTH MUN. | 2,882,213.15         | 2,706,604.81         | -6.09      | 2,779,951.21         | -3.55      | 2,806,484.00         | -2.63      |
|        | 158 | NKORANZA NORTH      | 2,690,995.73         | 2,695,816.78         | 0.18       | 2,862,513.77         | 6.37       | 2,751,342.51         | 2.24       |
|        | 159 | SENE WEST           | 2,941,587.43         | 3,004,402.40         | 2.14       | 2,828,461.12         | -3.85      | 2,917,080.71         | -0.83      |
|        | 160 | SENE EAST           | 3,348,976.91         | 4,637,055.15         | 38.46      | 3,644,430.75         | 8.82       | 3,877,343.63         | 15.78      |
|        | 161 | JAMAN SOUTH         | 3,369,857.66         | 2,819,441.86         | -16.33     | 2,925,438.82         | -13.19     | 3,052,895.10         | -9.41      |
|        | 162 | JAMAN NORTH         | 2,705,130.86         | 2,962,263.16         | 9.51       | 2,810,543.91         | 3.90       | 2,999,422.06         | 10.88      |
|        | 163 | TANO SOUTH          | 3,152,926.14         | 2,794,117.72         | -11.38     | 2,929,884.40         | -7.07      | 2,821,690.47         | -10.51     |
|        | 164 | TANO NORTH          | 2,931,264.43         | 2,972,985.03         | 1.42       | 2,756,249.75         | -5.97      | 2,985,423.85         | 1.85       |
|        | 165 | ASUTIFI NORTH       | 3,424,845.87         | 3,115,711.31         | -9.03      | 3,105,999.22         | -9.31      | 3,172,170.56         | -7.38      |
|        | 166 | ASUTIFI SOUTH       | 2,730,611.28         | 2,812,495.32         | 3.00       | 2,811,768.50         | 2.97       | 3,425,794.54         | 25.46      |
|        |     | <b>TOTAL</b>        | <b>81,059,426.77</b> | <b>82,355,431.78</b> |            | <b>80,479,902.09</b> |            | <b>82,194,280.32</b> |            |

BRONG AHAFO

TABLE 10

## 2017 AND 2016 RATIOS COMPARED

| REGION   | NO.            | METRO./MUNI./DISTRICT ASSEMBLIES | 2016C                | 2017A        | % INCREASE           | 2017B        | % INCREASE           | 2017C        | % INCREASE |
|----------|----------------|----------------------------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|------------|
| NORTHERN | 167            | TAMALE METRO.                    | 3,825,004.30         | 3,477,206.26 | -9.09                | 3,989,541.87 | 4.30                 | 3,584,837.93 | -6.28      |
|          | 168            | SAGNERIGU                        | 2,977,688.97         | 3,063,698.70 | 2.55                 | 3,293,584.69 | 10.61                | 3,072,366.96 | 3.18       |
|          | 169            | YENDI MUNICIPAL                  | 2,901,777.09         | 2,845,212.30 | -1.95                | 2,792,281.19 | -3.77                | 2,912,508.54 | 0.37       |
|          | 170            | MION                             | 3,361,062.23         | 2,942,855.43 | -12.44               | 2,972,186.18 | -11.57               | 3,253,753.98 | -3.19      |
|          | 171            | WEST GONJA                       | 2,887,720.47         | 2,716,214.93 | -5.94                | 2,871,429.75 | -0.56                | 2,771,024.16 | -4.04      |
|          | 172            | NORTH GONJA                      | 2,918,605.18         | 2,893,105.67 | -0.87                | 2,744,846.81 | -5.95                | 2,970,925.73 | 1.79       |
|          | 173            | CENTRAL GONJA                    | 3,039,537.43         | 3,266,329.64 | 7.46                 | 3,153,616.35 | 3.75                 | 3,331,975.41 | 9.62       |
|          | 174            | EAST GONJA                       | 3,440,959.63         | 3,386,870.19 | -1.57                | 3,392,125.98 | -1.42                | 3,098,662.45 | -9.95      |
|          | 175            | KPANDAI                          | 3,209,701.19         | 3,725,704.44 | 16.08                | 3,515,884.41 | 9.54                 | 3,116,212.31 | -2.91      |
|          | 176            | BOLE                             | 2,723,579.01         | 2,712,008.54 | -0.42                | 2,321,102.92 | -14.78               | 2,779,817.23 | 2.06       |
|          | 177            | SAWLA-TUNA-KALBA                 | 3,096,467.77         | 2,800,992.94 | -9.54                | 2,790,933.42 | -9.87                | 2,885,117.68 | -6.83      |
|          | 178            | NANUMBA NORTH                    | 3,134,066.30         | 2,819,368.45 | -10.04               | 2,939,269.38 | -6.22                | 2,868,160.52 | -8.48      |
|          | 179            | NANUMBA SOUTH                    | 3,274,842.61         | 2,970,626.37 | -9.29                | 3,000,814.16 | -8.37                | 3,029,745.08 | -7.48      |
|          | 180            | WEST MAMPRUSI                    | 2,991,117.11         | 2,799,652.12 | -6.40                | 2,813,027.60 | -5.95                | 2,882,174.34 | -3.64      |
|          | 181            | MAMPRUGU-MOAGDURI                | 3,130,457.06         | 3,765,760.72 | 20.29                | 2,842,620.11 | -9.19                | 3,110,603.25 | -0.63      |
|          | 182            | EAST MAMPRUSI                    | 3,174,411.15         | 2,903,011.76 | -8.55                | 2,954,991.65 | -6.91                | 2,950,604.66 | -7.05      |
|          | 183            | BUNKPURUGU/YUNYOO                | 3,051,919.74         | 2,736,532.10 | -10.33               | 2,768,692.03 | -9.28                | 2,815,328.81 | -7.75      |
|          | 184            | SAVELUGU/NANTON                  | 2,951,853.73         | 2,691,518.23 | -8.82                | 2,814,096.35 | -4.67                | 2,855,764.82 | -3.26      |
|          | 185            | GUSHEGU                          | 3,057,533.89         | 2,894,343.24 | -5.34                | 2,845,009.28 | -6.95                | 2,758,988.80 | -9.76      |
| 186      | KARAGA         | 2,641,974.65                     | 2,940,502.34         | 11.30        | 2,787,029.99         | 5.49         | 2,811,067.05         | 6.40         |            |
| 187      | ZABZUGU        | 2,867,578.26                     | 2,996,081.36         | 4.48         | 2,850,388.70         | -0.60        | 2,864,019.71         | -0.12        |            |
| 188      | TATALE SANGULI | 2,923,305.02                     | 2,957,324.47         | 1.16         | 3,055,761.73         | 4.53         | 3,018,790.48         | 3.27         |            |
| 189      | SABOBA         | 2,590,958.68                     | 3,505,911.45         | 35.31        | 3,422,468.88         | 32.09        | 3,247,652.49         | 25.35        |            |
| 190      | CHERIPONI      | 2,599,015.56                     | 2,801,996.39         | 7.81         | 2,822,075.45         | 8.58         | 2,874,431.90         | 10.60        |            |
| 191      | TOLON          | 2,560,073.97                     | 2,608,051.09         | 1.87         | 2,857,688.73         | 11.63        | 2,804,172.65         | 9.53         |            |
| 192      | KUMBUNGU       | 2,601,029.78                     | 3,029,419.18         | 16.47        | 2,888,194.86         | 11.04        | 2,818,801.58         | 8.37         |            |
|          |                | <b>77,932,240.78</b>             | <b>78,240,288.28</b> |              | <b>77,499,662.48</b> |              | <b>77,487,508.54</b> |              |            |

TABLE 10

## 2017 AND 2016 RATIOS COMPARED

| REGION     | NO. | METRO/MUNI/DISTRICT ASSEMBLIES | 2016C        | 2017A                | % INCREASE           | 2017B        | % INCREASE           | 2017C        | % INCREASE           |
|------------|-----|--------------------------------|--------------|----------------------|----------------------|--------------|----------------------|--------------|----------------------|
| UPPER WEST | 193 | WA MUNICIPAL                   | 3,400,675.23 | 2,998,862.86         | -11.82               | 3,150,956.62 | -7.34                | 3,173,969.96 | -6.67                |
|            | 194 | WA WEST                        | 2,651,385.29 | 2,649,702.37         | -0.06                | 2,763,211.91 | 4.22                 | 2,873,789.61 | 8.39                 |
|            | 195 | WA EAST                        | 3,165,156.22 | 2,805,092.64         | -11.38               | 2,797,977.20 | -11.60               | 3,023,052.27 | -4.49                |
|            | 196 | LAWRA                          | 2,673,541.71 | 2,580,902.42         | -3.47                | 2,761,970.23 | 3.31                 | 2,780,631.38 | 4.01                 |
|            | 197 | NANDOM                         | 2,660,113.58 | 2,614,810.07         | -1.70                | 2,821,901.44 | 6.08                 | 2,903,678.52 | 9.16                 |
|            | 198 | SISSALA EAST                   | 2,670,184.68 | 2,703,612.81         | 1.25                 | 2,771,407.06 | 3.79                 | 2,773,285.26 | 3.86                 |
|            | 199 | SISSALA WEST                   | 2,722,593.26 | 2,629,684.75         | -3.41                | 2,786,920.08 | 2.36                 | 2,859,449.86 | 5.03                 |
|            | 200 | JIRAPA                         | 2,631,243.08 | 2,779,581.88         | 5.64                 | 3,078,651.70 | 17.00                | 3,044,309.80 | 15.70                |
|            | 201 | LAMBUSSIE KANI                 | 2,586,930.24 | 2,635,279.56         | 1.87                 | 2,814,752.04 | 8.81                 | 2,836,564.58 | 9.65                 |
|            | 202 | NADOWLI KALEO                  | 2,639,299.97 | 2,654,989.26         | 0.59                 | 2,820,760.91 | 6.88                 | 3,289,110.14 | 24.62                |
|            | 203 | DAFFIAMA-BUSSIE-ISSA           | 3,612,839.76 | 2,894,151.03         | -19.89               | 2,995,688.15 | -17.08               | 3,087,006.33 | -14.55               |
|            |     |                                | <b>TOTAL</b> | <b>31,413,963.02</b> | <b>29,946,669.65</b> |              | <b>31,564,197.34</b> | <b>16.42</b> | <b>32,644,837.72</b> |

TABLE 10

## 2017 AND 2016 RATIOS COMPARED

| REGION     | NO.          | METRO/MUNI/DISTRICT ASSEMBLIES | 2016C                | 2017A                 | % INCREASE   | 2017B                 | % INCREASE   | 2017C                 | % INCREASE |
|------------|--------------|--------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|-----------------------|------------|
| UPPER EAST | 204          | BOLGA MUNICIPAL                | 3,627,571.11         | 3,332,382.84          | -5.53        | 3,259,700.87          | -7.59        | 3,213,962.22          | -8.89      |
|            | 205          | TALENSI                        | 2,689,655.47         | 2,733,503.64          | 1.63         | 2,871,786.22          | 6.77         | 2,786,035.89          | 3.58       |
|            | 206          | NABDAM                         | 2,909,876.89         | 2,752,757.24          | -5.40        | 3,143,542.23          | 8.03         | 2,827,780.21          | -2.82      |
|            | 207          | BAWKU MUNICIPAL                | 3,134,126.75         | 3,053,247.09          | -2.58        | 2,915,978.54          | -6.96        | 2,903,672.07          | -7.35      |
|            | 208          | BINDURI                        | 3,038,786.99         | 2,763,916.14          | -9.05        | 2,791,737.17          | -8.13        | 2,938,523.87          | -3.30      |
|            | 209          | PUSIGA                         | 3,070,311.08         | 2,848,158.17          | -7.24        | 2,890,099.86          | -5.87        | 2,882,903.29          | -6.10      |
|            | 210          | GARU-TEMPANE                   | 3,017,454.34         | 2,877,027.28          | -4.65        | 2,801,036.32          | -7.17        | 2,943,312.51          | -2.46      |
|            | 211          | BAWKU WEST                     | 2,717,854.56         | 2,863,698.20          | 5.37         | 2,840,898.68          | 4.53         | 2,943,508.98          | 8.30       |
|            | 212          | KASSENA NANKANA MUN.           | 3,564,498.48         | 3,144,353.72          | -11.79       | 3,144,514.29          | -11.78       | 2,956,745.52          | -17.05     |
|            | 213          | KASSENA NANKANA WEST           | 2,623,857.61         | 2,867,788.88          | 9.30         | 2,803,573.55          | 6.85         | 2,939,732.31          | 12.04      |
|            | 214          | BUILSA NORTH                   | 2,670,856.08         | 2,784,233.76          | 4.24         | 3,344,129.34          | 25.21        | 2,788,024.59          | 4.39       |
| 215        | BUILSA SOUTH | 2,660,784.98                   | 2,857,153.43         | 7.38                  | 2,956,865.56 | 11.13                 | 2,920,393.57 | 9.76                  |            |
| 216        | BONGO        | 3,712,031.44                   | 3,304,639.83         | -10.97                | 3,539,521.32 | -4.65                 | 2,584,776.52 | -30.37                |            |
|            |              | <b>TOTAL</b>                   | <b>39,337,665.77</b> | <b>38,183,060.21</b>  |              | <b>39,303,363.95</b>  |              | <b>37,629,371.55</b>  |            |
|            |              | <b>GTOTAL</b>                  | <b>671,406,758</b>   | <b>665,910,097.00</b> |              | <b>665,910,097.00</b> |              | <b>665,910,097.00</b> |            |

TABLE 11

## 2018 AND 2019 PROJECTIONS IN 2017

| REGION | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018                  | % INCREASE   | 2019                  | % INCREASE   |
|--------|-----|----------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|
|        | 1   | SEKONDI TAKORADI METRO.          | 5,184,608.62         | 7,598,391.48          | 46.56        | 8,996,039.56          | 18.39        |
|        | 2   | SHAMA                            | 3,015,431.51         | 4,419,317.01          | 46.56        | 5,232,206.15          | 18.39        |
|        | 3   | NZEMA EAST MUNICIPAL             | 2,787,538.63         | 4,085,324.73          | 46.56        | 4,836,779.33          | 18.39        |
|        | 4   | ELLEMBELLE                       | 2,935,633.88         | 4,302,368.24          | 46.56        | 5,093,745.83          | 18.39        |
|        | 5   | TARKWA NSUEM MUNICIPAL           | 3,220,607.73         | 4,720,016.52          | 46.56        | 5,588,216.32          | 18.39        |
|        | 6   | PRESTEA-HUNI VALLEY              | 3,240,226.60         | 4,748,769.29          | 46.56        | 5,622,257.88          | 18.39        |
|        | 7   | AHANTA WEST                      | 3,034,564.28         | 4,447,357.38          | 46.56        | 5,265,404.26          | 18.39        |
|        | 8   | AMENFI WEST                      | 2,797,305.59         | 4,099,638.86          | 46.56        | 4,853,726.41          | 18.39        |
|        | 9   | AMENFI CENTRAL                   | 2,973,724.84         | 4,358,193.10          | 46.56        | 5,159,839.11          | 18.39        |
|        | 10  | AMENFI EAST                      | 2,832,625.58         | 4,151,402.67          | 46.56        | 4,915,011.64          | 18.39        |
|        | 11  | SEFWI WIAWSO                     | 3,124,791.00         | 4,579,590.68          | 46.56        | 5,421,960.56          | 18.39        |
|        | 12  | SEFWI AKONTOMBRA                 | 2,894,742.29         | 4,242,438.88          | 46.56        | 5,022,793.05          | 18.39        |
|        | 13  | WASSA EAST                       | 3,069,434.65         | 4,498,462.24          | 46.56        | 5,325,909.35          | 18.39        |
|        | 14  | MPOHOR                           | 2,795,083.65         | 4,096,382.45          | 46.56        | 4,849,871.01          | 18.39        |
|        | 15  | BIB/ANW/BEK                      | 2,772,448.56         | 4,063,209.21          | 46.56        | 4,810,595.88          | 18.39        |
|        | 16  | JUABOSO                          | 2,776,742.76         | 4,069,502.66          | 46.56        | 4,818,046.95          | 18.39        |
|        | 17  | BODI                             | 3,086,197.15         | 4,523,028.80          | 46.56        | 5,354,994.69          | 18.39        |
|        | 18  | BIA WEST                         | 2,796,709.88         | 4,098,765.80          | 46.56        | 4,852,692.76          | 18.39        |
|        | 19  | BIA EAST                         | 3,339,668.65         | 4,894,508.28          | 46.56        | 5,794,804.10          | 18.39        |
|        | 20  | AOWIN                            | 2,814,913.04         | 4,125,443.75          | 46.56        | 4,884,277.85          | 18.39        |
|        | 21  | SUAMAN                           | 3,472,698.52         | 5,089,472.47          | 46.56        | 6,025,630.00          | 18.39        |
|        | 22  | JOMORO                           | 3,293,435.40         | 4,826,750.35          | 46.56        | 5,714,582.78          | 18.39        |
|        |     | <b>TOTAL</b>                     | <b>68,259,132.80</b> | <b>100,038,334.85</b> | <b>46.56</b> | <b>118,439,385.47</b> | <b>18.39</b> |

WESTERN

**TABLE 11**  
**2018 AND 2019 PROJECTIONS IN 2017**

| REGION         | NO. | METRO./MUNI./DISTRICT ASSEMBLIES  | 2017B                | 2018                 | % INCREASE   | 2019                  | % INCREASE   |
|----------------|-----|-----------------------------------|----------------------|----------------------|--------------|-----------------------|--------------|
|                | 23  | CAPE COAST METRO.                 | 3,609,094.87         | 5,289,370.46         | 46.56        | 6,262,297.23          | 18.39        |
|                | 24  | MFANTSEMAN WEST MUN.              | 3,302,073.60         | 4,839,410.22         | 46.56        | 5,729,571.30          | 18.39        |
|                | 25  | EKUMFI                            | 3,693,197.79         | 5,412,628.93         | 46.56        | 6,408,227.85          | 18.39        |
|                | 26  | KOMIEDI/EGU/ABI MUN.              | 2,925,208.50         | 4,287,089.14         | 46.56        | 5,075,656.29          | 18.39        |
|                | 27  | UPP. DENKY. EAST MUN.             | 3,024,559.48         | 4,432,694.66         | 46.56        | 5,248,044.49          | 18.39        |
|                | 28  | UPPER DENKYIRA WEST               | 3,371,418.38         | 4,941,039.63         | 46.56        | 5,849,894.43          | 18.39        |
|                | 29  | EFFUTU MUNICIPAL                  | 3,208,840.49         | 4,702,770.84         | 46.56        | 5,567,798.47          | 18.39        |
|                | 30  | AWUTU SENYA                       | 2,889,073.49         | 4,234,130.87         | 46.56        | 5,012,956.87          | 18.39        |
| <b>CENTRAL</b> | 31  | <b>AWUTU SENYA EAST MUNICIPAL</b> | 3,494,938.28         | 5,122,066.34         | 46.56        | 6,064,219.18          | 18.39        |
|                | 32  | AGONA WEST MUN.                   | 2,762,279.45         | 4,048,305.70         | 46.56        | 4,792,951.02          | 18.39        |
|                | 33  | AGONA EAST                        | 2,866,854.41         | 4,201,567.32         | 46.56        | 4,974,403.58          | 18.39        |
|                | 34  | ASSIN NORTH MUN.                  | 2,925,034.97         | 4,286,834.82         | 46.56        | 5,075,355.19          | 18.39        |
|                | 35  | ASSIN SOUTH                       | 2,897,959.62         | 4,247,154.09         | 46.56        | 5,028,375.58          | 18.39        |
|                | 36  | TWIFO ATI-MORKWA                  | 3,099,023.09         | 4,541,826.09         | 46.56        | 5,377,249.55          | 18.39        |
|                | 37  | <b>TWIFO HEMANG/LOWER/DEN.</b>    | 3,164,153.94         | 4,637,279.71         | 46.56        | 5,490,260.90          | 18.39        |
|                | 38  | AJU/ENY/ESSIAM                    | 2,842,583.52         | 4,165,996.71         | 46.56        | 4,932,290.11          | 18.39        |
|                | 39  | GOMOA                             | 3,054,994.60         | 4,477,299.38         | 46.56        | 5,300,853.80          | 18.39        |
|                | 40  | GOMOA EAST                        | 3,653,584.91         | 5,354,573.61         | 46.56        | 6,339,493.84          | 18.39        |
|                | 41  | ASI/ODO/BRAKWA                    | 3,201,087.39         | 4,691,408.16         | 46.56        | 5,554,345.74          | 18.39        |
|                | 42  | ABURAI ASEBU/KWAN.                | 2,962,685.71         | 4,342,014.52         | 46.56        | 5,140,684.64          | 18.39        |
|                |     | <b>TOTAL</b>                      | <b>62,948,646.49</b> | <b>92,255,461.18</b> | <b>46.56</b> | <b>109,224,930.07</b> | <b>18.39</b> |

TABLE 11

2018 AND 2019 PROJECTIONS IN 2017

| REGION    | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018                  | % INCREASE   | 2019                  | % INCREASE   |
|-----------|-----|----------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|
| GT. ACCRA | 43  | ACCRA METRO.                     | 8,326,473.45         | 12,203,005.00         | 46.56        | 14,447,625.66         | 18.39        |
|           | 44  | LA DADE-KOTOPON MUNICIPAL        | 6,660,616.57         | 9,761,580.08          | 46.56        | 11,557,125.05         | 18.39        |
|           | 45  | LEDZEKUKU-KROWOR MUN.            | 4,333,534.95         | 6,351,085.97          | 46.56        | 7,519,304.68          | 18.39        |
|           | 46  | TEMA METRO.                      | 4,420,648.88         | 6,478,757.27          | 46.56        | 7,670,459.83          | 18.39        |
|           | 47  | KPONE AKATAMANSO                 | 4,371,852.00         | 6,407,242.17          | 46.56        | 7,585,790.25          | 18.39        |
|           | 48  | ASHAIMAN MUNICIPAL               | 3,654,532.28         | 5,355,962.04          | 46.56        | 6,341,137.66          | 18.39        |
|           | 49  | ADENTA MUNICIPAL                 | 4,769,166.48         | 6,989,533.17          | 46.56        | 8,275,187.86          | 18.39        |
|           | 50  | GA WEST MUNICIPAL                | 4,136,507.39         | 6,062,328.87          | 46.56        | 7,177,433.60          | 18.39        |
|           | 51  | GA SOUTH                         | 3,873,245.38         | 5,676,500.74          | 46.56        | 6,720,636.25          | 18.39        |
|           | 52  | GA CENTRAL MUNICIPAL             | 5,291,443.40         | 7,754,965.01          | 46.56        | 9,181,413.22          | 18.39        |
|           | 53  | GA EAST MUNICIPAL                | 4,197,171.73         | 6,151,236.53          | 46.56        | 7,282,694.94          | 18.39        |
|           | 54  | LA NKANTANANG MADINA MUNICIPAL   | 3,795,266.04         | 5,562,216.80          | 46.56        | 6,585,330.91          | 18.39        |
|           | 55  | ADA EAST                         | 3,108,958.94         | 4,556,387.73          | 46.56        | 5,394,489.66          | 18.39        |
|           | 56  | ADA WEST                         | 3,170,476.12         | 4,646,545.29          | 46.56        | 5,501,230.79          | 18.39        |
|           | 57  | SHAI/OSUDOKU                     | 3,034,378.67         | 4,447,085.36          | 46.56        | 5,265,082.20          | 18.39        |
|           | 58  | NINGO/PRAMPAM                    | 3,013,974.33         | 4,417,181.42          | 46.56        | 5,229,677.74          | 18.39        |
|           |     |                                  | <b>70,158,246.60</b> | <b>102,821,613.44</b> | <b>46.56</b> | <b>121,734,620.31</b> | <b>18.39</b> |



**TABLE 11**  
**2018 AND 2019 PROJECTIONS IN 2017**

| REGION  | NO.        | METRO./MUNI/DISTRICT ASSEMBLIES | 2017B                | 2018                  | % INCREASE   | 2019                  | % INCREASE   |
|---------|------------|---------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|
| EASTERN | 59         | NEW JUABEN MUNICIPAL            | 3,446,743.94         | 5,051,434.29          | 46.56        | 5,980,595.08          | 18.39        |
|         | 60         | NSAWAM/ADOAGYIRI                | 2,784,780.98         | 4,081,283.20          | 46.56        | 4,831,994.40          | 18.39        |
|         | 61         | AKUAPEM SOUTH                   | 2,755,833.42         | 4,038,858.62          | 46.56        | 4,781,766.24          | 18.39        |
|         | 62         | WEST AKIM MUNICIPAL             | 2,761,649.31         | 4,047,382.19          | 46.56        | 4,791,857.64          | 18.39        |
|         | 63         | UPPER WEST AKIM                 | 3,085,116.63         | 4,521,445.22          | 46.56        | 5,353,119.83          | 18.39        |
|         | 64         | EAST AKIM MUNICIPAL             | 3,097,645.96         | 4,539,807.80          | 46.56        | 5,374,860.02          | 18.39        |
|         | 65         | ATIWA                           | 2,753,989.45         | 4,036,156.16          | 46.56        | 4,778,566.69          | 18.39        |
|         | 66         | BIRIM CENTRAL MUNICIPAL         | 2,870,297.46         | 4,206,613.34          | 46.56        | 4,980,377.76          | 18.39        |
|         | 67         | BIRIM SOUTH                     | 3,030,162.11         | 4,440,905.69          | 46.56        | 5,257,765.86          | 18.39        |
|         | 68         | BIRIM NORTH                     | 3,094,423.57         | 4,535,085.18          | 46.56        | 5,369,268.71          | 18.39        |
|         | 69         | AKYEMANSO                       | 2,949,891.73         | 4,323,264.07          | 46.56        | 5,118,485.23          | 18.39        |
|         | 70         | KWAHU WEST MUNICIPAL            | 2,962,568.09         | 4,341,842.14          | 46.56        | 5,140,480.55          | 18.39        |
|         | 71         | KWAHU EAST                      | 3,074,067.56         | 4,505,252.08          | 46.56        | 5,333,948.12          | 18.39        |
|         | 72         | KWAHU SOUTH                     | 2,924,457.40         | 4,285,988.37          | 46.56        | 5,074,353.04          | 18.39        |
|         | 73         | KWAHU AFRAM PLAINS NORTH        | 3,371,643.69         | 4,941,369.85          | 46.56        | 5,850,285.39          | 18.39        |
|         | 74         | KWAHU AFRAM PLAINS SOUTH        | 3,137,999.48         | 4,598,948.59          | 46.56        | 5,444,879.17          | 18.39        |
|         | 75         | AKUAPIM NORTH MUNICIPAL         | 3,048,918.71         | 4,468,394.75          | 46.56        | 5,290,311.25          | 18.39        |
|         | 76         | YILO KROBO MUNICIPAL            | 2,924,326.68         | 4,285,796.78          | 46.56        | 5,074,126.21          | 18.39        |
|         | 77         | MANYA KROBO MUNICIPAL           | 2,823,764.28         | 4,138,415.84          | 46.56        | 4,899,636.02          | 18.39        |
|         | 78         | UPPER MANYA KROBO               | 3,633,021.18         | 5,324,436.08          | 46.56        | 6,303,812.81          | 18.39        |
|         | 79         | SUHUM MUNICIPAL                 | 2,782,179.58         | 4,077,470.68          | 46.56        | 4,827,480.61          | 18.39        |
|         | 80         | AYENSUANO                       | 3,105,771.22         | 4,551,715.91          | 46.56        | 5,388,958.50          | 18.39        |
|         | 81         | KWAEBIBIRIM                     | 2,749,864.24         | 4,030,110.38          | 46.56        | 4,771,408.86          | 18.39        |
|         | 82         | DENKYEMBOUR                     | 3,375,807.40         | 4,947,472.04          | 46.56        | 5,857,510.01          | 18.39        |
| 83      | ASUOGYAMAN | 2,986,753.16                    | 4,377,286.97         | 46.56                 | 5,182,445.11 | 18.39                 |              |
| 84      | FANTEAKWA  | 2,999,650.61                    | 4,396,482.17         | 46.56                 | 5,205,171.07 | 18.39                 |              |
|         |            | <b>TOTAL</b>                    | <b>78,531,527.83</b> | <b>115,093,218.38</b> | <b>46.56</b> | <b>136,263,464.17</b> | <b>18.39</b> |

**TABLE 11**  
**2018 AND 2019 PROJECTIONS IN 2017**

| REGION | NO.           | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018                  | % INCREASE   | 2019                  | % INCREASE   |
|--------|---------------|----------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|
| VOLTA  | 85            | HO MUNICIPAL                     | 3,452,563.09         | 5,059,962.65          | 46.56        | 5,990,692.14          | 18.39        |
|        | 86            | HO WEST                          | 2,746,065.65         | 4,024,543.30          | 46.56        | 4,764,817.76          | 18.39        |
|        | 87            | AGORTIME-ZIOPE                   | 3,097,250.95         | 4,539,228.88          | 46.56        | 5,374,174.61          | 18.39        |
|        | 88            | ADAKLU-                          | 2,875,853.73         | 4,214,756.42          | 46.56        | 4,990,018.69          | 18.39        |
|        | 89            | KETA MUNICIPAL                   | 3,141,040.20         | 4,603,404.97          | 46.56        | 5,450,155.25          | 18.39        |
|        | 90            | HOHOE MUNICIPAL                  | 3,562,261.80         | 5,220,733.46          | 46.56        | 6,181,035.14          | 18.39        |
|        | 91            | AFADZETO                         | 3,030,677.50         | 4,441,661.03          | 46.56        | 5,258,660.13          | 18.39        |
|        | 92            | KRACHI WEST                      | 2,846,334.92         | 4,171,494.63          | 46.56        | 4,938,799.32          | 18.39        |
|        | 93            | KRACHI NTSUMURU                  | 3,099,078.09         | 4,541,906.69          | 46.56        | 5,377,344.98          | 18.39        |
|        | 94            | KRACHI EAST                      | 3,104,136.92         | 4,549,320.75          | 46.56        | 5,386,122.77          | 18.39        |
|        | 95            | KETU SOUTH MUNICIPAL             | 3,702,396.81         | 5,426,110.71          | 46.56        | 6,424,189.48          | 18.39        |
|        | 96            | KETU NORTH                       | 3,399,963.49         | 4,982,874.42          | 46.56        | 5,899,424.30          | 18.39        |
|        | 97            | JASIKAN                          | 2,842,268.70         | 4,165,535.31          | 46.56        | 4,931,743.85          | 18.39        |
|        | 98            | BIAKOYE                          | 2,792,397.89         | 4,092,446.29          | 46.56        | 4,845,210.83          | 18.39        |
|        | 99            | SOUTH TONGU                      | 2,863,749.14         | 4,197,016.34          | 46.56        | 4,969,015.49          | 18.39        |
|        | 100           | CENTRAL TONGU                    | 2,840,598.33         | 4,163,087.28          | 46.56        | 4,928,845.52          | 18.39        |
|        | 101           | NORTH TONGU                      | 3,461,678.80         | 5,073,322.33          | 46.56        | 6,006,509.21          | 18.39        |
|        | 102           | KPANDO MUNICIPAL                 | 2,810,591.87         | 4,119,110.79          | 46.56        | 4,876,780.00          | 18.39        |
|        | 103           | NORTH DAYI                       | 2,830,592.07         | 4,148,422.43          | 46.56        | 4,911,483.22          | 18.39        |
| 104    | SOUTH DAYI    | 2,847,524.58                     | 4,173,238.16         | 46.56                 | 4,940,863.56 | 18.39                 |              |
| 105    | AKATSI SOUTH  | 3,454,523.91                     | 5,062,836.36         | 46.56                 | 5,994,094.45 | 18.39                 |              |
| 106    | AKATSI NORTH  | 3,067,579.56                     | 4,495,743.48         | 46.56                 | 5,322,690.50 | 18.39                 |              |
| 107    | NKWANTA       | 2,879,725.86                     | 4,220,431.29         | 46.56                 | 4,996,737.39 | 18.39                 |              |
| 108    | NKWANTA NORTH | 2,959,793.44                     | 4,337,775.70         | 46.56                 | 5,135,666.13 | 18.39                 |              |
| 109    | KADJEBI       | 2,834,892.47                     | 4,154,724.95         | 46.56                 | 4,918,945.03 | 18.39                 |              |
|        |               | <b>TOTAL</b>                     | <b>76,543,539.77</b> | <b>112,179,688.61</b> | <b>46.56</b> | <b>132,814,019.76</b> | <b>18.39</b> |

TABLE 11

## 2018 AND 2019 PROJECTIONS IN 2017

| REGION  | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B        | 2018                  | % INCREASE            | 2019          | % INCREASE            |              |
|---------|-----|----------------------------------|--------------|-----------------------|-----------------------|---------------|-----------------------|--------------|
| ASHANTI | 110 | KUMASI METRO.                    | 8,504,971.46 | 12,464,605.80         | 46.56                 | 14,757,345.31 | 18.39                 |              |
|         | 111 | ASOKORE MAMPONG MUN.             | 5,780,580.43 | 8,471,828.11          | 46.56                 | 10,030,136.12 | 18.39                 |              |
|         | 112 | BEKWAI MUNICIPAL                 | 3,520,974.33 | 5,160,223.90          | 46.56                 | 6,109,395.45  | 18.39                 |              |
|         | 113 | BOSOME FREHO                     | 2,752,529.30 | 4,034,016.20          | 46.56                 | 4,776,033.11  | 18.39                 |              |
|         | 114 | AMANSIE CENTRAL                  | 2,958,334.94 | 4,335,638.17          | 46.56                 | 5,133,135.43  | 18.39                 |              |
|         | 115 | OBUASI MUNICIPAL                 | 4,426,922.40 | 6,487,951.54          | 46.56                 | 7,681,345.30  | 18.39                 |              |
|         | 116 | EJISU JUABEN MUNICIPAL           | 3,153,535.99 | 4,621,718.39          | 46.56                 | 5,471,837.24  | 18.39                 |              |
|         | 117 | MAMPONG MUNICIPAL                | 2,765,072.22 | 4,052,398.70          | 46.56                 | 4,797,796.89  | 18.39                 |              |
|         | 118 | SEKYERE CENTRAL                  | 2,774,991.83 | 4,066,936.55          | 46.56                 | 4,815,008.83  | 18.39                 |              |
|         | 119 | OFFINSO MUNICIPAL                | 2,901,214.67 | 4,251,924.58          | 46.56                 | 5,034,023.55  | 18.39                 |              |
|         | 120 | OFFINSO NORTH                    | 2,786,912.56 | 4,084,407.17          | 46.56                 | 4,835,693.00  | 18.39                 |              |
|         | 121 | ASANTE AKIM CENTRAL MUN.         | 2,995,364.21 | 4,389,907.04          | 46.56                 | 5,197,386.51  | 18.39                 |              |
|         | 122 | ASANTE AKIM NORTH MUN.           | 3,006,883.19 | 4,406,788.89          | 46.56                 | 5,217,373.60  | 18.39                 |              |
|         | 123 | ASANTE AKIM SOUTH                | 3,405,537.87 | 4,991,044.04          | 46.56                 | 5,909,096.65  | 18.39                 |              |
|         | 124 | AMANSIE WEST                     | 2,970,148.90 | 4,352,952.32          | 46.56                 | 5,153,634.34  | 18.39                 |              |
|         | 125 | ADANSI SOUTH                     | 3,179,218.11 | 4,659,357.26          | 46.56                 | 5,516,399.40  | 18.39                 |              |
|         | 126 | ADANSI NORTH                     | 2,891,136.66 | 4,237,154.58          | 46.56                 | 5,016,536.77  | 18.39                 |              |
|         | 127 | SEKYERE EAST                     | 2,905,938.64 | 4,258,847.88          | 46.56                 | 5,042,220.33  | 18.39                 |              |
|         | 128 | SEKYERE KUMAWU                   | 2,875,088.42 | 4,213,634.81          | 46.56                 | 4,988,690.77  | 18.39                 |              |
|         | 129 | SEKYERE AF/PLAINS                | 3,163,192.17 | 4,635,870.16          | 46.56                 | 5,488,592.09  | 18.39                 |              |
|         | 130 | ATWIMA NWABIAGYA                 | 3,622,242.64 | 5,308,639.40          | 46.56                 | 6,285,110.49  | 18.39                 |              |
|         | 131 | ATWIMA MPONUA                    | 2,813,891.13 | 4,123,946.08          | 46.56                 | 4,882,504.70  | 18.39                 |              |
|         | 132 | AHAFO ANO NORTH                  | 2,901,967.00 | 4,253,027.17          | 46.56                 | 5,035,328.96  | 18.39                 |              |
|         | 133 | AHAFO ANO SOUTH                  | 3,103,030.95 | 4,547,699.88          | 46.56                 | 5,384,203.76  | 18.39                 |              |
|         | 134 | BOSOMTWI                         | 3,405,317.70 | 4,990,721.36          | 46.56                 | 5,908,714.61  | 18.39                 |              |
|         | 135 | ATWIMA KWANWOMA                  | 2,826,882.90 | 4,142,986.39          | 46.56                 | 4,905,047.28  | 18.39                 |              |
|         | 136 | EJU/SEKYEDUMASE MUN.             | 2,866,700.55 | 4,201,341.82          | 46.56                 | 4,974,136.61  | 18.39                 |              |
|         | 137 | KWABRE EAST                      | 3,013,805.96 | 4,416,934.67          | 46.56                 | 5,229,385.60  | 18.39                 |              |
|         | 138 | SEKYERE SOUTH                    | 3,083,413.42 | 4,518,949.06          | 46.56                 | 5,350,164.52  | 18.39                 |              |
|         | 139 | AFIGYA KWABRE                    | 3,266,057.09 | 4,786,625.61          | 46.56                 | 5,667,077.49  | 18.39                 |              |
|         |     |                                  | <b>TOTAL</b> | <b>100,621,857.65</b> | <b>147,468,077.55</b> | <b>46.56</b>  | <b>174,593,354.72</b> | <b>18.39</b> |

**TABLE 11**  
**2018 AND 2019 PROJECTIONS IN 2017**

| REGION      | NO.                 | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018                  | % INCREASE   | 2019                  | % INCREASE   |
|-------------|---------------------|----------------------------------|----------------------|-----------------------|--------------|-----------------------|--------------|
| BRONG AHAFO | 140                 | SUNYANI MUNICIPAL                | 3,175,326.32         | 4,653,653.58          | 46.56        | 5,509,646.59          | 18.39        |
|             | 141                 | SUNYANI WEST                     | 3,023,582.12         | 4,431,262.28          | 46.56        | 5,246,348.63          | 18.39        |
|             | 142                 | DORMAA CENTRAL MUN.              | 2,828,428.07         | 4,145,250.94          | 46.56        | 4,907,728.36          | 18.39        |
|             | 143                 | DORMAA WEST                      | 3,155,684.30         | 4,624,866.89          | 46.56        | 5,475,564.87          | 18.39        |
|             | 144                 | DORMAA EAST                      | 2,745,343.28         | 4,023,484.60          | 46.56        | 4,763,564.33          | 18.39        |
|             | 145                 | BEREKUM MUNICIPAL                | 2,894,817.50         | 4,242,549.10          | 46.56        | 5,022,923.55          | 18.39        |
|             | 146                 | ASUNAFU NORTH MUN.               | 3,018,435.00         | 4,423,718.83          | 46.56        | 5,237,417.64          | 18.39        |
|             | 147                 | ASUNAFU SOUTH                    | 2,837,282.68         | 4,158,227.96          | 46.56        | 4,923,092.39          | 18.39        |
|             | 148                 | TECHIMAN MUNICIPAL               | 2,878,040.83         | 4,217,961.77          | 46.56        | 4,993,813.62          | 18.39        |
|             | 149                 | TECHIMAN NORTH                   | 3,313,863.75         | 4,856,689.47          | 46.56        | 5,750,028.89          | 18.39        |
|             | 150                 | KINTAMPO MUNICIPAL               | 2,782,380.87         | 4,077,765.68          | 46.56        | 4,827,829.87          | 18.39        |
|             | 151                 | KINTAMPO SOUTH                   | 2,748,899.76         | 4,028,696.87          | 46.56        | 4,769,735.35          | 18.39        |
|             | 152                 | WENCHI MUNICIPAL                 | 2,782,295.18         | 4,077,640.10          | 46.56        | 4,827,681.19          | 18.39        |
|             | 153                 | TAIN                             | 3,400,831.90         | 4,984,147.12          | 46.56        | 5,900,931.10          | 18.39        |
|             | 154                 | BANDA                            | 3,174,601.68         | 4,652,591.57          | 46.56        | 5,508,389.24          | 18.39        |
|             | 155                 | ATEBUBU AMANTIN                  | 2,942,902.87         | 4,313,021.44          | 46.56        | 5,106,358.57          | 18.39        |
| 156         | PRU                 | 3,321,944.55                     | 4,868,532.43         | 46.56                 | 5,764,050.25 | 18.39                 |              |
| 157         | NKORANZA SOUTH MUN. | 2,779,951.21                     | 4,074,204.85         | 46.56                 | 4,823,614.06 | 18.39                 |              |
| 158         | NKORANZA NORTH      | 2,862,513.77                     | 4,195,205.82         | 46.56                 | 4,966,871.95 | 18.39                 |              |
| 159         | SENE WEST           | 2,828,461.12                     | 4,145,299.38         | 46.56                 | 4,907,785.71 | 18.39                 |              |
| 160         | SENE EAST           | 3,644,430.75                     | 5,341,157.57         | 46.56                 | 6,323,610.06 | 18.39                 |              |
| 161         | JAMAN SOUTH         | 2,925,438.82                     | 4,287,426.69         | 46.56                 | 5,076,055.93 | 18.39                 |              |
| 162         | JAMAN NORTH         | 2,810,543.91                     | 4,119,040.50         | 46.56                 | 4,876,696.78 | 18.39                 |              |
| 163         | TANO SOUTH          | 2,929,884.40                     | 4,293,941.99         | 46.56                 | 5,083,769.65 | 18.39                 |              |
| 164         | TANO NORTH          | 2,756,249.75                     | 4,039,468.77         | 46.56                 | 4,782,488.63 | 18.39                 |              |
| 165         | ASUTIFI NORTH       | 3,105,999.22                     | 4,552,050.07         | 46.56                 | 5,389,354.12 | 18.39                 |              |
| 166         | ASUTIFI SOUTH       | 2,811,768.50                     | 4,120,835.22         | 46.56                 | 4,878,821.63 | 18.39                 |              |
|             |                     | <b>TOTAL</b>                     | <b>80,479,902.09</b> | <b>117,948,691.47</b> | <b>46.56</b> | <b>139,644,172.97</b> | <b>18.39</b> |

TABLE 11

2018 AND 2019 PROJECTIONS IN 2017

| REGION   | NO.            | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                 | 2018         | % INCREASE            | 2019         | % INCREASE |
|----------|----------------|----------------------------------|-----------------------|--------------|-----------------------|--------------|------------|
| NORTHERN | 167            | TAMALE METRO.                    | 3,989,541.87          | 5,846,941.05 | 46.56                 | 6,922,427.34 | 18.39      |
|          | 168            | SAGNERIGU                        | 3,293,584.69          | 4,826,969.15 | 46.56                 | 5,714,841.83 | 18.39      |
|          | 169            | YENDI MUNICIPAL                  | 2,792,281.19          | 4,092,275.27 | 46.56                 | 4,845,008.35 | 18.39      |
|          | 170            | MION                             | 2,972,186.18          | 4,355,938.09 | 46.56                 | 5,157,169.32 | 18.39      |
|          | 171            | WEST GONJA                       | 2,871,429.75          | 4,208,272.78 | 46.56                 | 4,982,342.45 | 18.39      |
|          | 172            | NORTH GONJA                      | 2,744,846.81          | 4,022,757.00 | 46.56                 | 4,762,702.90 | 18.39      |
|          | 173            | CENTRAL GONJA                    | 3,153,616.35          | 4,621,836.17 | 46.56                 | 5,471,976.68 | 18.39      |
|          | 174            | EAST GONJA                       | 3,392,125.98          | 4,971,388.01 | 46.56                 | 5,885,825.08 | 18.39      |
|          | 175            | KPANDAI                          | 3,515,884.41          | 5,152,764.29 | 46.56                 | 6,100,563.71 | 18.39      |
|          | 176            | BOLE                             | 2,321,102.92          | 3,401,731.93 | 46.56                 | 4,027,446.48 | 18.39      |
|          | 177            | SAWLA-TUNA-KALBA                 | 2,790,933.42          | 4,090,300.01 | 46.56                 | 4,842,669.77 | 18.39      |
|          | 178            | NANUMBA NORTH                    | 2,939,269.38          | 4,307,696.31 | 46.56                 | 5,100,053.93 | 18.39      |
|          | 179            | NANUMBA SOUTH                    | 3,000,814.16          | 4,397,894.31 | 46.56                 | 5,206,842.96 | 18.39      |
|          | 180            | WEST MAMPRUSI                    | 2,813,027.60          | 4,122,680.52 | 46.56                 | 4,881,006.35 | 18.39      |
|          | 181            | MAMPRUGU-MOAGDURI                | 2,842,620.11          | 4,166,050.33 | 46.56                 | 4,932,353.60 | 18.39      |
|          | 182            | EAST MAMPRUSI                    | 2,954,991.65          | 4,330,738.35 | 46.56                 | 5,127,334.33 | 18.39      |
|          | 183            | BUNKPURUGUYUNYOO                 | 2,768,692.03          | 4,057,703.76 | 46.56                 | 4,804,077.77 | 18.39      |
|          | 184            | SAVELUGU/NANTON                  | 2,814,096.35          | 4,124,246.85 | 46.56                 | 4,882,860.78 | 18.39      |
|          | 185            | GUSHEGU                          | 2,845,009.28          | 4,169,551.81 | 46.56                 | 4,936,499.14 | 18.39      |
| 186      | KARAGA         | 2,787,029.99                     | 4,084,579.27          | 46.56        | 4,835,896.76          | 18.39        |            |
| 187      | ZABZUGU        | 2,850,388.70                     | 4,177,435.72          | 46.56        | 4,945,833.21          | 18.39        |            |
| 188      | TATALE SANGULI | 3,055,761.73                     | 4,478,423.66          | 46.56        | 5,302,184.87          | 18.39        |            |
| 189      | SABOBA         | 3,422,468.88                     | 5,015,857.57          | 46.56        | 5,938,474.37          | 18.39        |            |
| 190      | CHERIPONI      | 2,822,075.45                     | 4,135,940.75          | 46.56        | 4,896,705.66          | 18.39        |            |
| 191      | TOLON          | 2,857,688.73                     | 4,188,134.40          | 46.56        | 4,958,499.81          | 18.39        |            |
| 192      | KUMBUNGU       | 2,886,194.86                     | 4,232,843.18          | 46.56        | 5,011,432.33          | 18.39        |            |
|          |                | <b>77,499,662.48</b>             | <b>113,580,950.53</b> | <b>46.56</b> | <b>134,473,029.79</b> | <b>18.39</b> |            |

TABLE 11

2018 AND 2019 PROJECTIONS IN 2017

| REGION     | NO.                  | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018         | % INCREASE           | 2019         | % INCREASE |
|------------|----------------------|----------------------------------|----------------------|--------------|----------------------|--------------|------------|
| UPPER WEST | 193                  | WA MUNICIPAL                     | 3,150,956.62         | 4,617,938.16 | 46.56                | 5,467,361.67 | 18.39      |
|            | 194                  | WA WEST                          | 2,763,211.91         | 4,049,672.29 | 46.56                | 4,794,568.98 | 18.39      |
|            | 195                  | WA EAST                          | 2,797,977.20         | 4,100,623.15 | 46.56                | 4,854,891.75 | 18.39      |
|            | 196                  | LAWRA                            | 2,761,970.23         | 4,047,852.52 | 46.56                | 4,792,414.48 | 18.39      |
|            | 197                  | NANDOM                           | 2,821,901.44         | 4,135,685.72 | 46.56                | 4,896,403.73 | 18.39      |
|            | 198                  | SISSALA EAST                     | 2,771,407.06         | 4,061,682.82 | 46.56                | 4,808,788.73 | 18.39      |
|            | 199                  | SISSALA WEST                     | 2,786,920.08         | 4,084,418.20 | 46.56                | 4,835,706.05 | 18.39      |
|            | 200                  | JIRAPA                           | 3,078,651.70         | 4,511,970.44 | 46.56                | 5,341,902.25 | 18.39      |
|            | 201                  | LAMBUSSIE KANI                   | 2,814,752.04         | 4,125,207.80 | 46.56                | 4,883,998.50 | 18.39      |
|            | 202                  | NADOWLI KALEO                    | 2,820,760.91         | 4,134,014.20 | 46.56                | 4,894,424.74 | 18.39      |
| 203        | DAFFIAMA-BUSSIE-ISSA | 2,995,688.15                     | 4,390,381.79         | 46.56        | 5,197,948.59         | 18.39        |            |
|            | <b>TOTAL</b>         | <b>31,564,197.34</b>             | <b>46,259,447.10</b> | <b>46.56</b> | <b>54,768,409.48</b> | <b>18.39</b> |            |

TABLE 11

2018 AND 2019 PROJECTIONS IN 2017

| REGION     | NO. | METRO./MUNI./DISTRICT ASSEMBLIES | 2017B                | 2018                 | % INCREASE   | 2019                 | % INCREASE   |
|------------|-----|----------------------------------|----------------------|----------------------|--------------|----------------------|--------------|
| UPPER EAST | 204 | BOLGA MUNICIPAL                  | 3,259,700.87         | 4,777,310.13         | 46.56        | 5,656,048.53         | 18.39        |
|            | 205 | TALENSI                          | 2,871,786.22         | 4,208,795.22         | 46.56        | 4,982,960.98         | 18.39        |
|            | 206 | NABDAM                           | 3,143,542.23         | 4,607,071.87         | 46.56        | 5,454,496.64         | 18.39        |
|            | 207 | BAWKU MUNICIPAL                  | 2,915,978.54         | 4,273,562.03         | 46.56        | 5,059,641.00         | 18.39        |
|            | 208 | BINDURI                          | 2,791,737.17         | 4,091,477.97         | 46.56        | 4,844,064.40         | 18.39        |
|            | 209 | PUSIGA                           | 2,890,099.86         | 4,235,635.07         | 46.56        | 5,014,737.76         | 18.39        |
|            | 210 | GARU-TEMPANE                     | 2,801,036.32         | 4,105,106.49         | 46.56        | 4,860,199.75         | 18.39        |
|            | 211 | BAWKU WEST                       | 2,840,898.68         | 4,163,527.45         | 46.56        | 4,929,366.66         | 18.39        |
|            | 212 | KASSENA NANKANA MUN.             | 3,144,514.29         | 4,608,496.48         | 46.56        | 5,456,183.29         | 18.39        |
|            | 213 | KASSENA NANKANA WEST             | 2,803,573.55         | 4,108,824.97         | 46.56        | 4,864,602.21         | 18.39        |
|            | 214 | BUILSA NORTH                     | 3,344,129.34         | 4,901,045.72         | 46.56        | 5,802,544.04         | 18.39        |
|            | 215 | BUILSA SOUTH                     | 2,956,865.56         | 4,333,484.70         | 46.56        | 5,130,585.84         | 18.39        |
|            | 216 | BONGO                            | 3,539,521.32         | 5,187,405.76         | 46.56        | 6,141,577.14         | 18.39        |
|            |     | <b>TOTAL</b>                     | <b>39,303,383.95</b> | <b>57,601,743.87</b> | <b>46.56</b> | <b>68,197,008.24</b> | <b>18.39</b> |
|            |     | <b>G/TOTAL</b>                   | <b>685,910,097</b>   | <b>1,005,247,227</b> | <b>46.56</b> | <b>1,190,152,395</b> | <b>18.39</b> |

**TABLE 12**  
**THE RESERVE FUND COMPONENT**

**(A) REGIONAL COORDINATING COUNCILS ANNUAL SHARE - 2017**

| NO.          | REGION      | SHARING EQUALLY   | SHARING BY THE NO. OF DISTRICTS |             |                   | ANNUAL SHARES     |
|--------------|-------------|-------------------|---------------------------------|-------------|-------------------|-------------------|
|              |             |                   | NO. OF MMDAS                    | PROP.       | PROP. SHARE       |                   |
| 1            | WESTERN     | 1,575,935         | 22                              | 0.10        | 1,605,119         | 3,181,055         |
| 2            | CENTRAL     | 1,575,935         | 20                              | 0.09        | 1,459,199         | 3,035,135         |
| 3            | GREAT ACCRA | 1,575,935         | 16                              | 0.07        | 1,167,360         | 2,743,295         |
| 4            | EASTERN     | 1,575,935         | 26                              | 0.12        | 1,896,959         | 3,472,895         |
| 5            | VOLTA       | 1,575,935         | 25                              | 0.12        | 1,823,999         | 3,399,935         |
| 6            | ASHANTI     | 1,575,935         | 30                              | 0.14        | 2,188,799         | 3,764,734         |
| 7            | BRONG-AHAFO | 1,575,935         | 27                              | 0.13        | 1,969,919         | 3,545,855         |
| 8            | NORTHERN    | 1,575,935         | 26                              | 0.12        | 1,896,959         | 3,472,895         |
| 9            | UPPER WEST  | 1,575,935         | 11                              | 0.05        | 802,560           | 2,378,495         |
| 10           | UPPER EAST  | 1,575,935         | 13                              | 0.06        | 948,480           | 2,524,415         |
| <b>TOTAL</b> |             | <b>15,759,354</b> | <b>216</b>                      | <b>1.00</b> | <b>15,759,354</b> | <b>31,518,707</b> |

**(B) CONSTITUENCY LABOUR PROJECT -2017**

| CONSTITUENCY LABOUR PROJECT      | CONSTITUENCIES     | EACH CONSTITUENCY |
|----------------------------------|--------------------|-------------------|
| CONSTITUENCY DEVELOPMENT PROJECT | 70,917,090         | 257,880           |
| CONSTITUENCY'S MONITORING        | 39,398,383         | 143,267           |
| CONSTITUENCY (EACH)              | 401,147            |                   |
| <b>TOTAL</b>                     | <b>110,315,473</b> | <b>401,147</b>    |

**TABLE 13**  
**ALLOCATION STATEMENT FOR 2017 AND 2016 COMPARED**

|   | ALLOCATION 2017 |             | 2017 |                      | PROP. %      | GHC | 2016        | GHC                  | PROP. | GHC |
|---|-----------------|-------------|------|----------------------|--------------|-----|-------------|----------------------|-------|-----|
|   | PROP. %         | GHC         | GHC  | GHC                  |              |     |             |                      |       |     |
| <b>INSTITUTIONAL TRANSFERS</b>                    | <b>16.35</b>    |             |      | <b>257,602,391</b>   | <b>6.65</b>  |     |             | <b>133,800,000</b>   |       |     |
| NATIONAL YOUTH AUTHORITY (ACT. 939)               | 5.00            | 78,796,767  |      |                      |              |     |             |                      |       |     |
| YOUTH EMPLOYMENT AGENCY (ACT. 887)                | 10.00           | 157,593,534 |      |                      | 6.65         |     | 133,800,000 |                      |       |     |
| NATIONAL DISASTER MGT. ORGANISATION (ACT. 927)    | 1.35            | 21,212,090  |      |                      |              |     |             |                      |       |     |
| <b>NATIONAL PROJECTS</b>                          | <b>16.03</b>    |             |      | <b>252,622,435</b>   | <b>38.60</b> |     |             | <b>776,200,000</b>   |       |     |
| NATIONAL EDUCATION POLICIES                       | 4.45            | 70,129,123  |      |                      |              |     |             |                      |       |     |
| WASTE MGT (LIQUID/SOLID)                          | 7.00            | 110,315,474 |      |                      | 14.90        |     | 300,000,000 |                      |       |     |
| ACCRA SEWERAGE TREATMENT PLANT (LAVENDER HILL)    | 2.53            | 39,871,164  |      |                      | 4.70         |     | 95,000,000  |                      |       |     |
| SEED CAPITAL FOR NEW MMDAS BUILDING               | 2.05            | 32,306,674  |      |                      |              |     |             |                      |       |     |
| OTHERS  | -               |             |      |                      | 19.00        |     | 381,200,000 |                      |       |     |
| <b>RESERVE</b>                                    | <b>13.40</b>    |             |      | <b>211,175,335</b>   | <b>10.20</b> |     |             | <b>205,419,128</b>   |       |     |
| CONSTITUENCY LABOUR PROJECTS (MPS)                | 5.00            | 78,796,767  |      |                      | 4.50         |     | 90,626,086  |                      |       |     |
| CONSTITUENCY LABOUR MONITORING & EVALUATION (MPS) | 3.00            | 47,278,060  |      |                      | 2.50         |     | 50,347,825  |                      |       |     |
| RESERVE FUND                                      | 2.00            | 31,518,707  |      |                      | 1.35         |     | 27,187,826  |                      |       |     |
| RCC   | 2.00            | 31,518,707  |      |                      | 1.35         |     | 27,187,826  |                      |       |     |
| DACFOPERATIONS                                    | 0.50            | 7,879,677   |      |                      | 0.50         |     | 10,069,565  |                      |       |     |
| DACF OFFICE BUILDING                              | 0.90            | 14,183,418  |      |                      |              |     |             |                      |       |     |
| <b>MMDAS - INDIRECT</b>                           | <b>7.70</b>     |             |      | <b>121,347,021</b>   | <b>9.45</b>  |     |             | <b>190,087,130</b>   |       |     |
| YEA - SANITATION MODULE (ARREARS)                 | 7.10            | 111,891,409 |      |                      | 8.90         |     | 179,111,304 |                      |       |     |
| TRAINING  | 0.50            | 7,879,677   |      |                      | 0.40         |     | 8,055,652   |                      |       |     |
| CURED LEPEERS                                     | 0.10            | 1,575,935   |      |                      | 0.15         |     | 2,920,174   |                      |       |     |
| <b>MMDAS - DIRECT</b>                             | <b>46.52</b>    |             |      | <b>733,188,157</b>   | <b>35.10</b> |     |             | <b>708,406,758</b>   |       |     |
| PERSONS WITH DISABILITIES (PWD)                   | 3.00            | 47,278,060  |      |                      | 1.80         |     | 37,000,000  |                      |       |     |
| NET MMDAS   | 43.52           | 685,910,097 |      |                      | 33.30        |     | 671,406,758 |                      |       |     |
| <b>TOTAL FUND</b>                                 | <b>100</b>      |             |      | <b>1,575,935,339</b> | <b>100</b>   |     |             | <b>2,013,913,015</b> |       |     |



**TABLE 14****PROPOSED ESTIMATE FOR 2018 AND 2019**

| ALLOCATION STATEMENT                              | 2018         |               | 2019         |                      |
|---|--------------|---------------|--------------|----------------------|
|   | PROP. %      | GHC           | PROP.        | GHC                  |
| <b>INSTITUTIONAL TRANSFERS</b>                    | <b>16.57</b> |               | <b>16.57</b> | <b>386,077,235</b>   |
| NATIONAL YOUTH AUTHORITY (ACT. 939)               | 5.00         | 98,417,602    | 5.00         | 116,498,864          |
| YOUTH EMPLOYMENT AGENCY (ACT. 887)                | 10.00        | 196,835,204   | 10.00        | 232,997,728          |
| NATIONAL DISASTER MGT. ORGANISATION (ACT. 927)    | 1.57         | 30,903,127    | 1.57         | 36,580,643           |
| <b>NATIONAL PROJECTS</b>                          | <b>7.00</b>  |               | <b>7.00</b>  | <b>163,098,410</b>   |
| WASTE MGT (LIQUID/SOLID)                          | 7.00         | 137,784,643   | 7.00         | 163,098,410          |
| <b>RESERVE</b>                                    | <b>12.00</b> |               | <b>12.00</b> | <b>279,597,274</b>   |
| CONSTITUENCY LABOUR PROJECTS (MPS)                | 4.50         | 88,575,842    | 4.50         | 104,848,978          |
| CONSTITUENCY LABOUR MONITORING & EVALUATION (MPS) | 2.50         | 49,208,801    | 2.50         | 58,249,432           |
| RESERVE FUND                                      | 2.00         | 39,367,041    | 2.00         | 46,599,546           |
| RCC   | 2.00         | 39,367,041    | 2.00         | 46,599,546           |
| DAC/OPERATIONS                                    | 0.50         | 9,841,760     | 0.50         | 11,649,886           |
| DAC/ OFFICE BUILDING                              | 0.50         | 9,841,760     | 0.50         | 11,649,886           |
| <b>MMDAS - INDIRECT</b>                           | <b>7.60</b>  |               | <b>3.64</b>  | <b>84,694,674</b>    |
| YEA - SANITATION MODULE (ARREARS)                 | 7.00         | 137,784,643   | 3.04         | 70,714,810           |
| TRAINING  | 0.50         | 9,841,760     | 0.50         | 11,649,886           |
| CURED LEPERS                                      | 0.10         | 1,968,352     | 0.10         | 2,329,977            |
| <b>MMDAS - DIRECT</b>                             | <b>56.83</b> |               | <b>60.80</b> | <b>1,416,509,687</b> |
| PERSONS WITH DISABILITIES (PWD)                   | 3.00         | 59,050,561    | 3.00         | 69,899,318           |
| NET MMDAS   | 53.83        | 1,059,563,901 | 57.80        | 1,346,610,369        |
| <b>TOTAL FUND</b>                                 | <b>100</b>   |               | <b>100</b>   | <b>2,329,977,280</b> |