



# ANNUAL REPORT OF THE WAPP SECRETARIAT GENERAL

NOVEMBER 2012 - NOVEMBER 2013



*Working Visit of WAPP's Secretary at the IDB  
Headquarters in Jeddah, Saudi Arabia.*



*Working session with the Liberian Minister of "Land, Mines and  
Energy" in Monrovia.*



*Group Photo of the Executive Board at the 4th Extraordinary  
Meeting.*



*Group Photo of CLSG's Steering Committee, in Monrovia,  
Liberia.*

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MILESTONE

November 2012	Décember 2012	January 2013	February 2013	March 2013	April 2013
<p><b><u>November 1<sup>st</sup></u></b> 22nd Coordination Meeting of WAPP Technical and Financial Partners in Abuja, Nigeria.</p> <p><b><u>November 2<sup>nd</sup></u></b> 19th Ordinary Session of WAPP Executive Board in Abuja, Nigeria.</p> <p><b><u>November 12<sup>th</sup> - 13<sup>th</sup></u></b> Donors' Consultation Meeting in Brussels to secure with the EU funding for the construction and equipment of the Information and Coordination Centre (ICC).</p>	<p><b><u>December 10<sup>th</sup></u></b> EIB signed with the Government of Sierra Leone a €75 million agreement as part of the funding for the CLSG Project.</p> <p><b><u>December 5<sup>th</sup> – 7<sup>th</sup></u></b> Inaugural Meeting of the JIC – North Core.</p> <p><b><u>December 17<sup>th</sup> – 21<sup>st</sup></u></b> Supervision Mission of the WAPP Secretariat in Guinea / Emergency Power Supply Programme for Conakry.</p> <p><b><u>December 11<sup>th</sup> – 16<sup>th</sup></u></b> Study trips of the WAPP Secretariat to the South African Power Pool.</p>	<p><b><u>January 22<sup>nd</sup> and 23<sup>rd</sup></u></b> Consultation Meeting of the Funding Agencies of the CLSG Project at KfW Head Office in Germany.</p> <p><b><u>January 8<sup>th</sup></u></b> End of contract of service of resident experts hired by the WAPP Secretariat put at the disposal of EDG to ensure the monitoring, control and management of the Emergency Power Supply Programme for Conakry.</p> <p><b><u>January 28<sup>th</sup> – 30<sup>th</sup></u></b> 5th Meeting of the WAPP Finance Committee in Cotonou.</p>	<p><b><u>February 1<sup>st</sup></u></b> The CLSG - PIU Director takes function at the WAPP Secretariat.</p> <p><b><u>February 04<sup>th</sup> – 06<sup>th</sup></u></b> The Secretary General carries out a working visit to the stakeholders of the power sector in Côte d'Ivoire.</p> <p><b><u>February 12<sup>th</sup></u></b> Inaugural Meeting of the JIC - Domunli in Cotonou.</p> <p><b><u>February 15<sup>th</sup></u></b> Meeting with Borkir International Company Ltd.in Cotonou in order to consider a proposal relating to the supply of Natural Liquefied Gas (NLG).</p> <p><b><u>February 25<sup>th</sup></u></b> Côte d'Ivoire issues its environmental permit to CLSG Project.</p>	<p><b><u>March 1<sup>st</sup> – 10<sup>th</sup></u></b> Supervision Mission of the WAPP Secretariat in Guinea/ Emergency Power Supply Programme for Conakry.</p> <p><b><u>March 15<sup>th</sup></u></b> Second Meeting of the Ministers in charge of Energy of Ghana, Mali and Burkina Faso on the Bolgatanga – Ouagadougou – Bamako – Sikasso Interconnection Project in Ouagadougou.</p> <p><b><u>March 19<sup>th</sup></u></b> Commissioning of the first turbine of the Felou Hydropower plant in Mali.</p> <p><b><u>March 21<sup>st</sup> – 22<sup>nd</sup></u></b> Kick of Meeting for the Line Route and ESIA Studies for the Guinea – Mali Interconnection in Conakry.</p>	<p><b><u>April 2<sup>nd</sup> – 3<sup>rd</sup></u></b> Working Visit of the WAPP Secretariat at the IDB Headquarters in Jeddah, Saudi Arabia.</p> <p><b><u>April 15<sup>th</sup> – 19<sup>th</sup></u></b> Joint ECOWAS-WAPP Mission to Freetown.</p> <p><b><u>April 16<sup>th</sup> – 19<sup>th</sup></u></b> NEPAD-IPPF Assessment Mission to the WAPP Secretariat in order to approve the funding of the complementary studies of the North-Core Interconnection Project.</p> <p><b><u>April 23<sup>rd</sup> – May 03<sup>rd</sup></u></b> Capacity building for executives of member Utilities at Senelec CFPP in Dakar, Senegal.</p>

May 2013	June 2013	July 2013	August 2013	September 2013	October 2013
<p><b><u>May 3<sup>rd</sup></u></b> Inception meeting of works on the Ghanaian territory for rural communities' electrification project of southern Togo from Ghana.</p> <p><b><u>May 15<sup>th</sup></u></b> Consultation Meeting of TFP on the Ghana – Burkina Faso – Mali, Interconnection Project in Cotonou.</p> <p><b><u>May 24<sup>th</sup></u></b> Approval of the Emergency Power Programmes in favor of Mali, Sierra Leone and the Gambia by the 10th Meeting of the Ministers in charge of Energy in Yamoussoukro, Côte d'Ivoire.</p> <p><b><u>May 28<sup>th</sup></u></b> Commissioning of the second turbine of Felou Hydropower plant.</p>	<p><b><u>June 4<sup>th</sup> – 10<sup>th</sup></u></b> Working Visit of the WAPP Secretariat to Conakry as part of the Emergency Programme.</p> <p><b><u>June 10<sup>th</sup> – 13<sup>th</sup></u></b> Evaluation of Call of Tenders for the feasibility studies of Kassa "B" Hydropower Project, in Cotonou, Benin.</p> <p><b><u>June 10<sup>th</sup> – 14<sup>th</sup></u></b> Consultation Meeting of the TFP of the Adjarala Project in Lomé.</p> <p><b><u>June 24<sup>th</sup> – 28<sup>th</sup></u></b> Adoption of the integrated power flow model of the WAPP interconnected system in Cotonou, Benin.</p>	<p><b><u>July 3<sup>th</sup> – 4<sup>th</sup></u></b> 7th Extraordinary Session of OMVG Ministers in Dakar, Senegal.</p> <p><b><u>July 3<sup>th</sup> au 5<sup>th</sup></u></b> 5th African Carbon Forum in Abidjan, Côte d'Ivoire.</p> <p><b><u>July 8<sup>th</sup></u></b> Working Session in Cotonou with EU delegation led by the power sector Officer.</p> <p><b><u>July 30<sup>th</sup> – 31<sup>th</sup></u></b> Meeting with United Nations Convention for Climate Change Secretariat at the WAPP Headquarters in Cotonou, Benin.</p>	<p><b><u>August 4<sup>th</sup> – 6<sup>th</sup></u></b> Electrification of the Nimba County under the Côte d'Ivoire – Liberia Cross Border Project.</p> <p><b><u>August 27<sup>th</sup></u></b> Shareholders Constituent Assembly and 1st meeting of the Board of Directors of « Transco CLSG » in Monrovia, Liberia.</p> <p><b><u>August 28<sup>th</sup></u></b> Inaugural Meeting of the CLSG Steering Committee in Monrovia, Liberia.</p>	<p><b><u>September 1<sup>st</sup>- 4<sup>th</sup></u></b> Working Visit of the WAPP Secretariat at the ADB Head Office in Tunis as part of the funding of the CLSG Project.</p> <p><b><u>September 16<sup>th</sup> - 20<sup>th</sup></u></b> Workshop on Energy planning and Policies in Accra, Ghana.</p> <p><b><u>September 16<sup>th</sup> - 20<sup>th</sup></u></b> Kick-off meeting of the works for the 330 KV Volta (Ghana) – Lomé "C" (Togo) – Sakete (Benin) Interconnection Project.</p> <p><b><u>September 23<sup>th</sup> - 25<sup>th</sup></u></b> 9th Meeting of WAPP Engineering and Operating Committee (Eoc) in Ouagadougou, Burkina Faso.</p> <p><b><u>September 30<sup>th</sup></u></b> Meeting between WAPP and ECREEE about the Energy Efficiency Distribution Initiative at the WAPP Headquarters in Cotonou, Benin.</p>	<p><b><u>October 1<sup>er</sup> – 4<sup>th</sup></u></b> Working Visit of WAPP Secretariat at the AfBD Headquarters in Tunis for the financing of the CLSG Project.</p> <p><b><u>October 30<sup>th</sup></u></b> 3rd Donors' Roundtable of OMVG Project in Dakar, Senegal.</p> <p><b><u>8<sup>th</sup> November</u></b> Execution of the International Project Agreement between the CLSG States and TRANSCO CLSG, in Abidjan, Côte d'Ivoire.</p> <p><b><u>21<sup>st</sup> November</u></b> ICC Project approved by the EU Member States at the 454th Meeting of EU European Development Fund Committee.</p>

## LIST OF ACRONYMS

<b>AfDB</b>	<u>African Development Bank</u>
<b>AFD</b>	<u>Agence Française de Développement</u>
<b>CEB</b>	<u>Communauté Electrique du Bénin</u>
<b>CEET</b>	<u>Compagnie Energie Electrique du Togo</u>
<b>CLSG</b>	<u>Côte d'Ivoire-Liberia-Sierra Leone-Guinea Interconnection Project</u>
<b>EAGB</b>	<u>Empresa Publica de Electricidade Agua de Guine Bissau</u>
<b>EIB</b>	<u>European Investment Bank</u>
<b>ECG</b>	<u>Electricity Company of Ghana</u>
<b>ECOWAS</b>	<u>Economic Community of West African States</u>
<b>EdG</b>	<u>Electricité de Guinée</u>
<b>EDM-SA</b>	<u>Energie du Mali</u>
<b>ESIA</b>	<u>Environmental and Social Impact Assessment Study</u>
<b>EU</b>	<u>European Union</u>
<b>FSRU</b>	<u>floating Storage and Regasification Unit</u>
<b>GRIDCo</b>	<u>Ghana Grid Company</u>
<b>KEPCO</b>	<u>Korean Electricity Power Corporation</u>
<b>IDA</b>	<u>International Development Association</u>
<b>IDB</b>	<u>Islamic Development Bank</u>
<b>IU</b>	<u>Implementation Unit</u>
<b>JDA</b>	<u>Joint Development Agreement</u>
<b>JIC</b>	<u>Joint Implementation Committee</u>
<b>KEPCO</b>	<u>Korean Electricity Power Corporation</u>
<b>KfW</b>	<u>Kreditanstalt für Wiederaufbau</u>
<b>LEC</b>	<u>Liberia Electricity Corporation</u>
<b>MDGs</b>	<u>Millennium Development Goals</u>
<b>NAWEC</b>	<u>National Water and Electricity Company Ltd of Gambia</u>
<b>NEPAD-IPPF</b>	<u>New Partnership for Africa Development/Infrastructure Project Preparatory Facility</u>
<b>NPA</b>	<u>National Power Authority of Sierra Leone</u>
<b>NPV</b>	<u>Net Present Value</u>
<b>OMVG</b>	<u>Organisation pour la Mise en Valeur du fleuve Gambie</u>
<b>OMVS</b>	<u>Organisation pour la Mise en Valeur du fleuve Sénégal</u>
<b>PHCN</b>	<u>Power Holding Company of Nigeria</u>
<b>PPA</b>	<u>Power Purchase Agreement</u>
<b>PPDU</b>	<u>Projects Preparation and Development Unit</u>
<b>PPIAF</b>	<u>Public Private Infrastructure Advisory Facility</u>
<b>SBEE</b>	<u>Société Béninoise d'Energie Electrique</u>
<b>SENELEC</b>	<u>Société Nationale d'Electricité du Sénégal</u>
<b>SOGEM</b>	<u>Société de Gestion d'Energie de Manantali</u>
<b>SOGEPE</b>	<u>Société de Gestion du Patrimoine du Secteur de l'Electricité</u>
<b>SONABEL</b>	<u>Société Nationale d'Electricité du Burkina</u>
<b>SPC</b>	<u>Special Purpose Company</u>
<b>TCN</b>	<u>Transmission Company of Nigeria</u>
<b>TOR</b>	<u>Terms of Reference</u>
<b>TSA</b>	<u>Transmission Service Agreement</u>
<b>TFP</b>	<u>Technical and Financial Partners</u>
<b>UEMOA/WAEMU</b>	<u>West African Economic and Monetary Union</u>
<b>UNEP</b>	<u>United Nations Environment Programme</u>
<b>USAID</b>	<u>United States Agency for International Development</u>
<b>VRA</b>	<u>Volta River Authority</u>
<b>WAPP</b>	<u>West African Power Pool</u>
<b>WAPP/ICC</b>	<u>WAPP Information and Coordination Centre</u>
<b>WB</b>	<u>World Bank</u>

## OVERVIEW OF WAPP

The West African Power Pool (WAPP) was created by Decision A/DEC.5/12/99 of the 22nd Summit of the Authority of ECOWAS Heads of State and Government with the aim of curtailing the power deficit prevalent in the West African sub-region.

Subsequently in January 2006, through Decisions A/DEC.18/01/06 and A/DEC.20/01/06 the 29th Summit of the Authority of ECOWAS Heads of State and Government held in Niamey respectively adopted the Articles of Agreement for the establishment and functioning of WAPP, and granted the WAPP Secretariat the status of a specialized institution of ECOWAS.

On the 5th of July 2006, WAPP signed a Headquarters Agreement with the Government of Benin, conferring on it diplomatic immunities required to operate effectively within the entire ECOWAS Member States. The headquarters of WAPP Secretariat is presently located at PK6, Zone des Ambassades, Akpakpa, Cotonou, in Republic of Benin.

### WAPP VISION

« To integrate the operations of national power systems into a unified regional electricity market, which will, over the medium to long term, assure the citizens of ECOWAS Member States a stable and reliable electricity supply at competitive cost. »

### WAPP MISSION

WAPP is mandated to ensure the promotion and development of power generation and transmission facilities, as well as the coordination of power trade between ECOWAS Member States.

### WAPP OBJECTIVES

WAPP has been assigned the following objectives:

- (i) Formalize an official and extended collaboration in the sub-region for the development of power generation and transmission facilities with a view to enhancing power supply and strengthening power security within the sub-region;
- (ii) Improve power system reliability and power supply quality throughout the sub-region;
- (iii) Minimize power network operating costs;

(iv) Increase investments required for power grid expansion in the region, whilst favoring implementation of “bankable” integration projects at competitive costs.

((v) Create an attractive environment for investments in order to facilitate the funding of power generation and transmission facilities;

(vi) Establish a legal and regulatory framework conducive for investments and suitable for enforcing common operating standards and rules in the sector;

(vii) Create a transparent and reliable mechanism for the swift settlement of power trade transactions;

(viii) Increase the overall level of power supply in the sub-region, through the implementation of priority generation and transmission projects that will serve as a foundation for economic development and the extension of cheaper electricity supply to a greater number of consumers.

### WAPP GOVERNANCE STRUCTURE

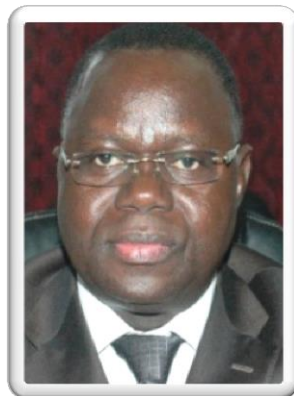
In total, WAPP has four (4) governing bodies: the General Assembly, the Executive Board, the Organizational Committees and the General Secretariat.



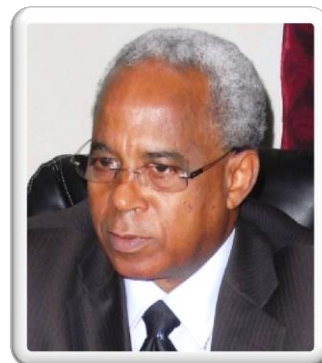
**MEMBERS OF THE WAPP EXECUTIVE  
BOARD**



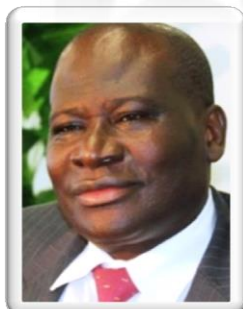
**Président / Chairman**  
**Engr. Olusola AKINNIRANYE**



**Vice-président / Vice-Chairman**  
**DG SONABEL / Mr. Siengui KI**



**Secrétaire Général / Secretary General**  
**Ingr. Amadou DIALLO**



**Ag. CEO VRA**  
**Mr. Kirk COFIE**



**DG CI-ENERGIES**  
**Mr. Amidou**



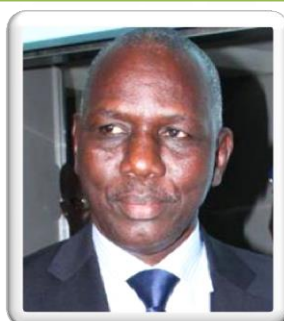
**DG CEB**  
**Mr. Djibril SALIFOU**



**DG SOGEM**  
**Mr. Cheikh BEDDA**



**M.D. ECG**  
**Mr. William HUTTON-MENSAH**



**DG SENELEC**  
**Mr. Pape DIENG**



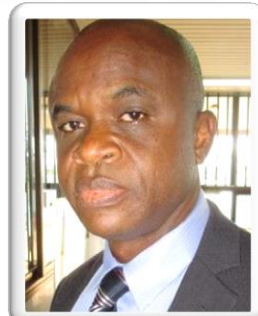
**DG EDM – SA**  
**Mr. Tidiani KEITA**



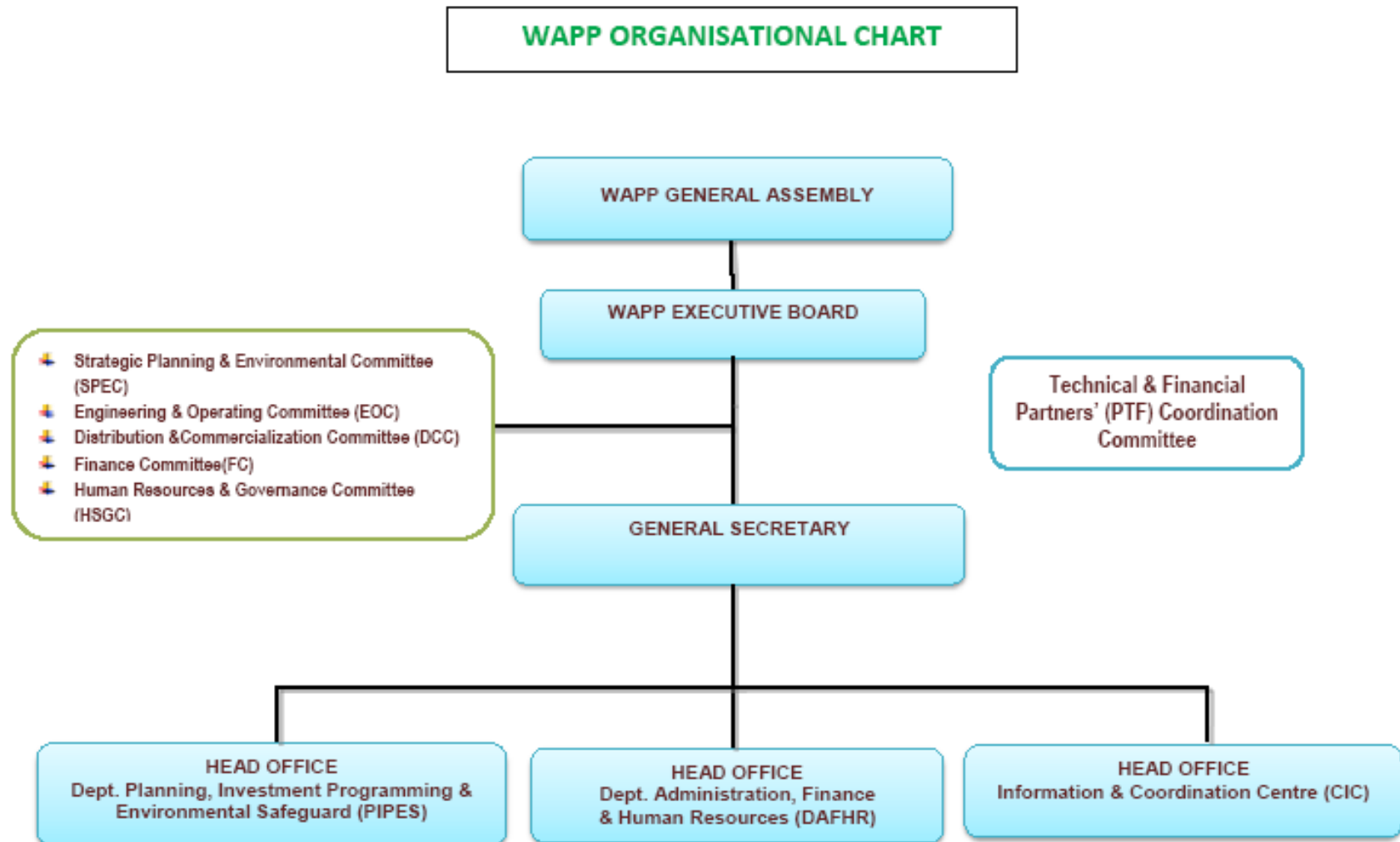
**DG CEET**  
**Mr. Gnané DJETELI**



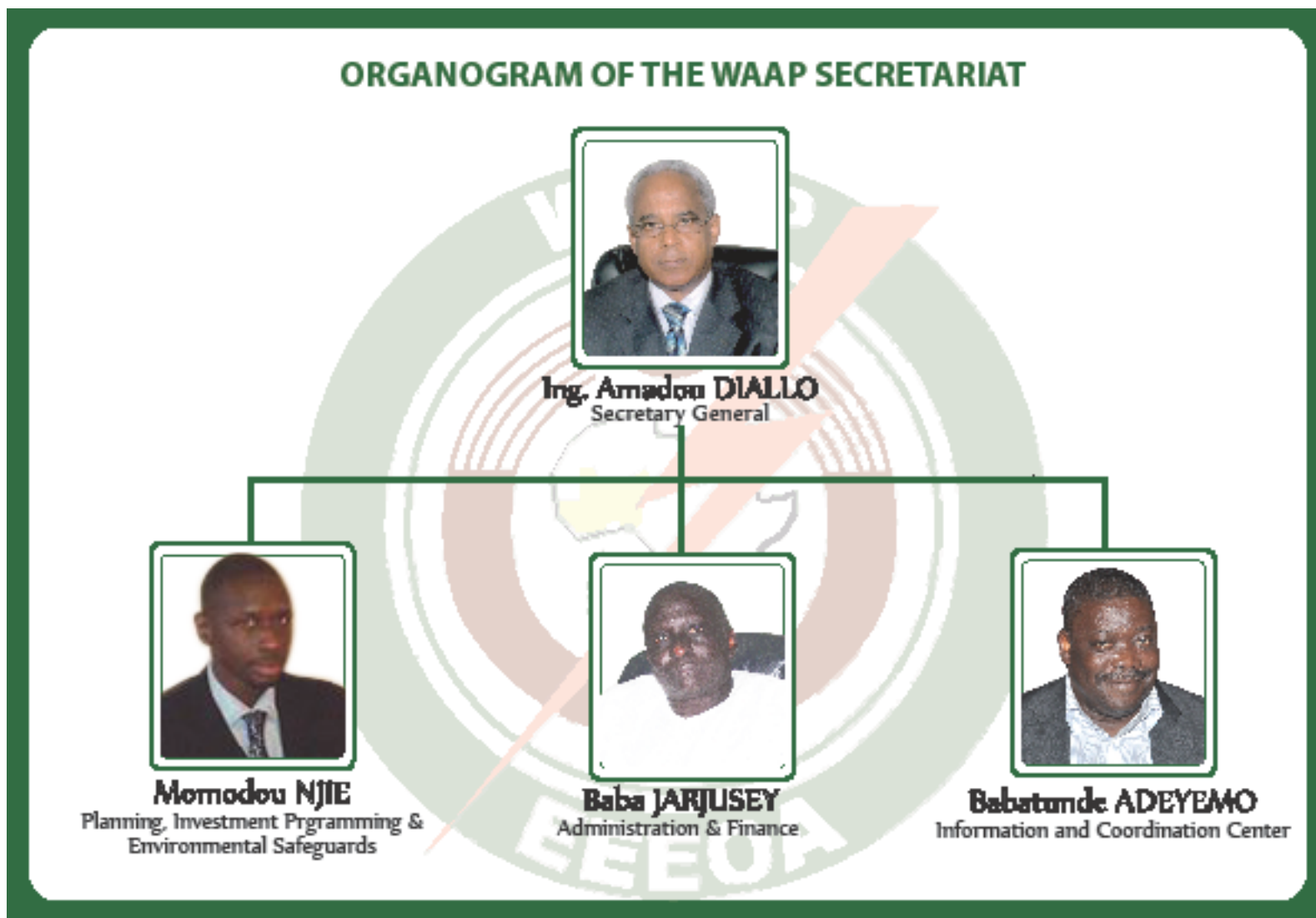
**DG SBEE**  
**Mr. Marius HOUNKPATIN**



**CEO GRIDCo**  
**Mr. William AMUNA**







## INTRODUCTION

This report reviews the activities carried out by the WAPP Secretariat, from November 1<sup>st</sup>, 2012 to November 30<sup>th</sup>, 2013. It is structured around the following chapters:

- Mobilization of capital investments ;
- Pre-investment studies and preparation of projects ;
- Coordination and monitoring of projects implementation ;
- Preparatory activities for the establishment of the regional electricity market ;
- Cooperation with member utilities as well as regional and international organizations ;
- Statutory meetings ;
- Administrative and financial management of the WAPP Secretariat ;
- Outlook for 2014.



## **CHAPTER I : INCREASED MOBILISATION OF CAPITAL INVESTISSEMENTS**

***From November 2012 to November 2013, the mobilization of funds for the preparation and the implementation of WAPP Priority Projects were, once again, the core of the activities of WAPP Secretariat. Coordination and specific Meetings were held to inform the Technical and Financial Partners about the state of progress of Priority Projects and arouse their accession to the financing of the projects. Outstanding results were subsequently obtained.***

### **I.1. WAPP ICC PROJECT (INFORMATION AND COORDINATION CENTRE)**

The WAPP Secretariat organized from November 12th, to 13th, 2012, in Brussels, a consultation meeting of the Technical and Financial Partners of the Project. At the meeting, the TFPs confirmed the relevance of the ICC Project and urged the EU to speed up the process of funding approval so that the implementation of the project can start without delay.



***View of a group of discussion during the Consultation Meeting in Brussels***

After this meeting, many other consultations were held between the WAPP Secretariat and the European Union (EU).

Subsequently, during the 454th Meeting of EU European Development Fund Committee held on November 21st, 2013, the EU Member States approved the financing of the ICC Project to a total amount of €30 million. The EU Commission is expected to sign the Decision before the end of year 2013. The Financing Agreement is also expected to be finalized in January, 2014.

### **I.2. 225 KV COTE D'IVOIRE – LIBERIA – SIERRA LEONE – GUINEA INTERCONNECTION PROJECT (CLSG)**

The funding of the project is totally closed and the signing of the Loan Agreements has started. Indeed, the European Investment Bank (EIB) executed an Agreement with the Government of Sierra Leone on December 10<sup>th</sup>, 2012, for an amount of €75 million to part-finance the Project. The German Government also executed on December 19<sup>th</sup>, 2012, an Agreement with the Government of Liberia to the tune of €31 million for co-financing of the Liberia portion of the project. Therefore

Following negotiations between the concerned countries and the African Development Bank (AfDB) with the support of WAPP Secretariat conducted in Tunis from September 30<sup>th</sup> to October 3<sup>rd</sup>, 2013, the Board of Directors of the Bank conveyed their approval on November 6<sup>th</sup>, 2013 to support the Governments of Côte d'Ivoire, Liberia, Sierra Leone and Guinea with an amount of US\$191 million to implement the project.



***Exchange of Adopted Financing Agreements between AfDB and Côte d'Ivoire, Liberia, Sierra Leone, Guinea and WAPP Secretariat, Tunis, October 3<sup>rd</sup>, 2013***



In addition, an amount of US\$75,000 was mobilized from the Public Private Infrastructure Advisory Facility (PPIAF) of the World Bank to among others, support the WAPP Secretariat audit the project financial model and leverage Best Practices in the preparation of Power Purchase Agreements.

### I.3. DEVELOPMENT OF 450 MW WAPP MARIA GLETA (BENIN) AND 450 MW WAPP DOMUNLI (GHANA) POWER GENERATION FACILITIES

Within the framework of recruiting Transaction Advisors to assist the Joint Implementation Committees of the two projects in their negotiations with Sithe Global, an application for grant funding of €4 million was submitted to the EU-Africa Infrastructure Trust Fund (EU-A ITF).

The WAPP Secretariat also made similar request to the United States Agency for International Development.

### I.4. 225 MW TIBOTO HYDROPOWER PROJECT

A Request for Funding of €517,100 was submitted to the NEPAD-IPPF of the AfDB to fund the preparation of a Pre-feasibility Study on the project.

### I.5. 30 MW SOLAR IN MALI

In light of the improved socio-political conditions in Mali, the WAPP Secretariat re-engaged discussions with the KfW to fund the preparation of Pre-investment Studies for the project with an approximate amount of EUR 1,200,000.

### I.6. 330 KV NIGERIA-BENIN INTERCONNECTION REINFORCEMENT PROJECT

A Request for Funding of approximately €2.81 million was submitted to the NEPAD-IPPF of the AfDB to fund the Line Route Study and Environmental and Social Impact Assessment as well as the Feasibility Study and Preparation of Bidding Documents.



### I.7. 330 KV WAPP NORTH CORE PROJECT

An amount of approximately €4.7 million was mobilized from the New Partnership for Africa's Development-Infrastructure Project Preparatory Facility (NEPAD-IPPF) of the African Development Bank (AfDB) to fund the preparation of the Updated Line Route and Environmental and Social Impact Assessment and Feasibility Studies and Bidding Documents for the project.



*View of a group of discussion WAPP/AfDB*

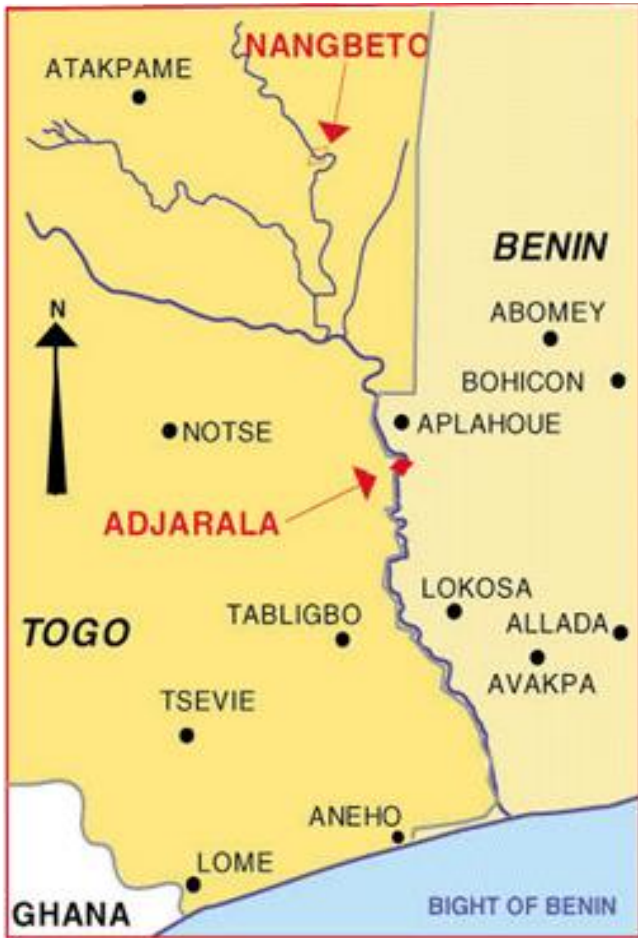
### I.8. OMVG ENERGY PROJECT (SENEGAL, THE GAMBIA, GUINEA BISSAU, GUINEA)

The OMVG Secretariat is in discussion with China Exim Bank to secure financing of US\$454 million to implement the 128 MW Sambangalou Hydropower Project.

During a Donor Roundtable Meeting held on the project in Dakar on October 30th, 2013, an equivalent amount of US\$584 million was mobilized from the Partners to implement the 225 kV Transmission line interconnecting the four countries, thus leaving, a potential gap of US\$70 million equivalent.

The AfDB and World Bank (WB) have already made indicative pledges that could cover the potential financing gap.

**I.9. 147 MW ADJARALA HYDROPOWER PROJECT (TOGO/BÉNIN)**



*Model of the 147 MW Adjarala Hydropower Project*

The Islamic Development Bank has expressed its interest in financing this Project which cost € 377 million.

The WAPP Secretariat took part in a meeting consultation organized by CEB from June 10th to 14th, 2013, in Lomé. The objective of the meeting was to, among others, exchange with the TFP on the Scheme and additional sources of funding.

**I.10. EU TECHNICAL ASSISTANCE TO WAPP SECRETARIAT**

Within the framework of the Technical Assistance (TA) of the European Union (EU) to the WAPP Secretariat, an amount of €1.75 million was secured from the EU for a 3-year Resident TA at the WAPP Secretariat that commenced in June 2013.

**I.11. 760 kV SUPER-GRID**

A USD 3.2 million funding was made available by the Federal Government of Nigeria for the implementation of the Feasibility Study and the Environmental and Social Impact of the project.

**I.12. WAPP GRID EMISSION FACTOR**

The WAPP Secretariat mobilized support from the United Nations Environment Programme (UNEP) within the framework of the African Carbon Asset Development to undertake a Feasibility Study and subsequently calculation of a Grid Emission Factor for the WAPP Regional interconnected network at an estimated cost of US\$60,000.

**I.13. WAPP MEDIUM VOLTAGE (MV) CROSS BORDER PROJECTS**

During a working visit of the WAPP Secretariat to the Islamic Development Bank (IsDB) in Jeddah, the Bank confirmed its keen interest to support with up to US\$30 million, the development of cross-border projects involving Ghana – Burkina Faso, Burkina Faso – Niger, Senegal – The Gambia, and Côte d'Ivoire – Guinea within the framework of its “Energy for the Poor” Programme.



*Satisfaction of School Children at Duoplay in Nimba County, Liberia at the commissioning of the Cross-border Project*



## **CHAPTER II : PRE-INVESTMENT STUDIES AND PREPARATION OF PROJECTS**

*This chapter reviews activities which were led during the last six months within the framework of the preparation of the following Priority Projects.*

### **II.1. 225 KV GHANA – BURKINA – MALI INTERCONNECTION PROJECT**

With support from the Indian government, Mali has commenced the implementation of the project with the construction of the Sikasso – Bamako segment.

With the aim of accelerating the implementation of the remaining part of the interconnection, the WAPP Secretariat organized the second Meeting of the Ministers in charge of energy of the beneficiary countries, on March 15th, 2013, in Ouagadougou.

The meeting recommended that the additional studies in preparation be extended to the new situation and insisted on the effective realization of the Sikasso - Bamako section within the allowed time limits, with an effective involvement of the WAPP Secretariat monitoring and implementing the works.

The WAPP Secretariat organized, on May 15th, 2013, in Cotonou, a consultation meeting with the TFP to inform them about the changes that occurred in the concept of the Project and to agree on a new strategy to implement it. As outcome of the meeting, the interested Funding Agencies reaffirmed their keen interest to participate in the financing of the project whose scope remains the interconnection between Ghana, Burkina and Mali up to Bamako.



*Group Photo of the second Meeting of the Ministers in charge of energy in Ouagadougou*

The meeting also agreed on the possibility to include the electrification of key load centers within the Sikasso – Bamako Segment be explored within the framework of the complementary studies. EDM-SA subsequently transmitted to the WAPP Secretariat on May 27th, its proposed load centers and this was submitted on June 7th, 2013 to AFD for No-Objection.

Within the framework of concluding the preparation of the project, the WAPP Secretariat organized from September 09th, to 11th, 2013 contract negotiation meetings with “Electricité de France (EDF)” to prepare the complementary Feasibility Study and preparation of the Pre-qualification and Bidding Documents. Negotiations were also held from 12th to 13th September 2013, with NODALIS-CONSEIL for the commercial, contractual and tariff Study.

The related draft contracts were transmitted to the “Agence Française de Développement (AFD)” on September 25th, 2013 for No Objection.

On the other hand, the contract negotiations with Fichtner for the preparation of the complementary Line Route and ESIA Study were not successful. Therefore, Artelia, the second retained Consultant was invited for contract negotiations at WAPP Secretariat. The related draft contract was transmitted to AFD for No Objection.

Also, the Financing Agreement between the WAPP Secretariat and AFD that would govern the financing of the complementary studies from the EU-A ITF was finalized.

### **II.2. 330 KV COTE D’IVOIRE – GHANA INTERCONNECTION REINFORCEMENT PROJECT**

After evaluating several options, a provisional line route for the project was adopted that spanned from Dunkwa in Ghana to Akoupe - Zeudji in Côte d’Ivoire with an approximate distance of 314 km.

The preparation of the Environmental and Social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP) and Resettlement Action Plan (RAP) is on-going. The ESIA Study is expected to be concluded in May 2014.

With regard to the Feasibility Study including preparation of Bidding Documents, the Data Collection Report was adopted during a meeting organized in Abidjan from May 21st to 23rd, 2013.

In addition, a technical meeting of experts from the concerned national power utilities and the WAPP Secretariat was held from August 5th to 9th, 2013 and August 20 to 23, 2013 in Bad Vilbel, Germany, to among others; validate the network model for the Interconnection. Preliminary simulations on the proposed model were conducted during the sessions in order to verify that no constraints existed with the load flow and network stability. The preliminary results of the study indicate that the estimated cost of the project is EUR 131 million.

### **II.3. 225 KV GUINEA – MALI INTERCONNECTION PROJECT**

The recruitment process of the Consultants for the preparation of the pre-investment studies was completed. The contract for the ESIA and Line Route Study was executed on March 1st, 2013 with the Consortium ANTEA-Group.

The Contract for the Feasibility Study and Preparation of Bidding documents was executed between WAPP Secretariat and the consortium Intec Gopa - Lahmeyer on May 17th, 2013.

Following execution of contracts for the preparation of the pre-investment studies, the WAPP Secretariat in collaboration with the Ministry in charge of Energy of Guinea and “Electricité de Guinée” organized a Kick-off meeting for the Line Route and ESIA Study from March 21st to 22nd, 2013 in Conakry. The Drafts of the Scoping and Provisional Line Route Reports were subsequently submitted and adopted in a meeting organized in Bamako, Mali from October 8th to 11th, 2013.

The adopted provisional line route of approximately 850 km spans from Nzerekore (Guinea) to Sanankoroba (Mali) and the preparation of the ESIA, ESMP and RAP reports are ongoing. The study is expected to be completed by July 2014.

The process to recruit an Audit Firm for the project was launched on September 16th, 2013 on the UNDB and WAPP web sites as well as the national newspapers in Guinea and Mali following No Objection from the AfDB. The Evaluation of the Eols is on-going.

### **II.4. 225 KV COTE D'IVOIRE – LIBERIA – SIERRA LEONE – GUINEA INTERCONNECTION PROJECT**

As part of the establishment of the institutional and legal framework of the projet, the WAPP Secretariat undertook a tour of the CLSG countries in November, 2012. Subsequently, the Treaty was in turn executed by each of the Heads of State and Government of the CLSG countries. To date, all four countries have also ratified the Treaty and the related Instruments transmitted to the WAPP Secretariat.

In accordance with the CLSG Treaty, the CLSG Special Purpose Company was establishment. On August 27th, 2013 in Monrovia, the national power utilities of the CLSG countries executed the Shareholders Agreement and Articles of Association for the CLSG SPC now called CLSG Regional Transmission Company (TRANSCO CLSG).



*CLSG JIC and National DGs and MDs*

During the Shareholders Meeting, the capital contribution of each Shareholder was agreed upon and the Board of Directors constituted. Bank accounts for TRANSCO CLSG were subsequently opened in each of the four concerned countries to receive the contributions of each Shareholder.

The inaugural meeting of the Board was also held on the same day during which the Terms of Reference (ToR) of the General Manager (GM) for the Company were adopted and a Recruitment Agency appointed to support the GM recruitment process. The ToR was subsequently transmitted to the World Bank for No Objection after which related publications were made in all ECOWAS Member States. The recruitment process for the GM is expected to be concluded in February 2014.

The CLSG Steering Committee, Supreme Body of the Treaty composed of the 4 Ministers in charge of Energy was also set up. On August 28th, 2013 in Monrovia, the CLSG Steering Committee held its inaugural meeting. During the meeting, the Implementation Committee for the project comprising of representatives from the Ministries in charge of energy and finance from each of the countries was constituted.



*Group Photo / TRANSCO CLSG Shareholders Meeting in Monrovia*

A Second Meeting of the CLSG Steering Committee was held on November 8th, 2013 in Abidjan during which an International Project Agreement was executed between the CLSG States and TRANSCO CLSG.



*Execution of the International Project Agreement, in Abidjan*

Moreover, the process for recruiting the Key staff of the Project Implementation Unit (PIU) is in progress. The PIU Director is already recruited and assumed office on February 1st, 2013.

The recruitment of the rest of the key staff for the PIU is being undertaken with the support of a Hiring Agency that commenced work on September 13th, 2013. The draft job descriptions and recruitment notices of these key staff have been prepared and transmitted to the World Bank for No Objection. It is expected that the PIU shall be fully staffed by March 2014. The process for recruiting the Owners Engineer is also on-going.

In order to advance discussions on the commercial framework for the project, experts from the national power utilities, Ministries in charge of energy and finance from the CLSG countries held discussions from November 20th to 22nd, 2013 in Cotonou to among others, examine templates of a Power Purchase Agreement and Transmission Service Agreement. At the conclusion of the meeting, it was agreed that the adopted amendments would be incorporated into the templates and that actual negotiations would commence in January 2014.



*Overview of the Participants during the Meeting in Cotonou*



As part of the Environmental Safeguards, the Environmental Licenses for the project were issued in the four countries.

Within the framework of the ESIA Study, a public sensitization and information campaign was undertaken to the project affected areas from April 30th to May 23rd, 2013, by the WAPP Secretariat, concerned Ministries in charge of energy and national utilities, and the Consultant KEPCO.

#### **II.5. DEVELOPMENT OF 450 MW WAPP DOMUNLI (GHANA) POWER GENERATION FACILITY**

The WAPP Secretariat in collaboration with VRA organized on February 12th, 2013, an inaugural meeting of the Project's Joint Implementation Committee, at the WAPP Secretariat in Cotonou.

This was followed by a meeting of the JIC and Sithe Global, on February 14th, 2013 to discuss among others the preliminary analyses conducted by Sithe on the project and update the Project Implementation Schedule. Following the meeting, ECG, EDM-SA and SONABEL confirmed their participation as off-takers and conveyed indicative quantities of their energy requirements.

#### **II.6. DEVELOPMENT OF 450 MW WAPP MARIA GLETA (BENIN) POWER GENERATION FACILITY**

In order to accelerate the implementation of the project and to improve the availability of gas supply for power generation under the project, the WAPP Secretariat in collaboration with SBEE organized on February 15th, 2013, a consultation meeting of Directors General of CEB, CEET, ContourGlobal-Togo and SBEE with Borkir International Company Ltd of Nigeria.

The objective of the meeting was to examine a proposal from Borkir International to supply Liquefied Natural Gas (LNG) for the WAPP power generation Facilities. At the conclusion of the meeting, it was agreed that Borkir would amend and re-submit its proposal for discussion.

The WAPP Secretariat is awaiting receipt of the amended proposal.



*View of the Participants in the meeting with Borkir International Company Ltd., in Cotonou*

#### **II.7. 160 MW BIKONGOR HYDROPOWER FACILITY IN SIERRA LEONE**

Following submission by WAPP Secretariat of Terms of Reference for the preparation of a Pre-Feasibility study on the project, the World Bank gave its No-Objection to launch the Consultant recruitment process.

Meanwhile, the Government of Sierra Leone (GoSL) transmitted to the WAPP Secretariat for review, a Pre-feasibility Study report already conducted on the project by HydroChina and requested that the funding already secured from the WB for the Pre-feasibility Study be re-allocated to fund the services of a Technical Advisor to support the GoSL work with HydroChina.

The WAPP Secretariat subsequently transmitted the request of the GoSL to the World Bank for consideration but unfortunately, the World Bank could not convey its No-Objection.

#### **II.8. 515 MW SOUAPITI HYDROPOWER PROJECT**

Following the No Objection of the WB to proceed with the recruitment of a Consultant to carry out the Update of Feasibility Study on the project, the WAPP Secretariat sent on June 7th, 2013, a letter to the Ministers in charge of Energy, and Economy & Finance of Guinea to confirm the willingness of the Government of Guinea to develop the project within the framework of the WAPP.

The Government of Guinea has subsequently indicated by formal letter received on October 29th, 2013, its preparedness to implement the project as a Regional project. At the request of the World Bank, the scope of work of the Terms of Reference is being amended to take into consideration a strategic assessment of the Konkoure River.

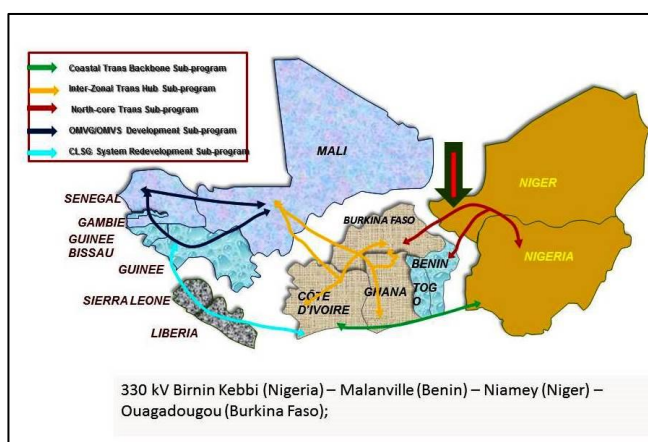
### II.9. 118 MW KASSA “B” HYDROPOWER PROJECT

The recruitment process for a Consultant to carry out the Pre-feasibility Study of the project was launched on April 26th, 2013.

The WAPP Secretariat organized a meeting of experts from Electricité de Guinée and the Ministry in charge of Energy in Guinea from June 10th to 13th, 2013 in Cotonou to evaluate the Eol from prospective Consultants. The related evaluation report received the No-Objection of the World Bank in September, 2013, and the Request for Proposal is being finalized for submission to the shortlisted Consultants.

The WAPP Secretariat is in parallel seeking clarification from the Government of Guinea on its willingness to develop the project within the framework of the WAPP.

### II.10. 330 KV WAPP NORTH CORE PROJECT



The ToRs for the Update of Line route study and ESIA as well as the Feasibility Study and preparation of Bidding Documents were adopted by the North Core JIC in December 2012.

Following transmission of Requests for Funding by the WAPP Secretariat, the NEPAD-IPPF of AfDB conveyed its keen interest to fund the Studies and undertook an Appraisal of the project in April 2013 in Cotonou.

In order to accelerate the preparation of the studies, the NEPAD-IPPF conveyed its No-Objection to the request of the WAPP Secretariat for Advance Contracting whilst it sought approval for the funding. A related Call for Eols for the recruitment of Consultants to prepare the Studies was subsequently published on May 13th, and May 17th, 2013.

The evaluation of Eols was carried out in Cotonou in June 2013 and submitted to AfDB for No-Objection that was granted in August 2013. The Request for Proposal was consequently launched in October 2013 with a deadline of submission of December 9th, 2013.



Opening of the Eol, WAPP Conference ROOM, Cotonou

In the meantime, the Oversight Committee of NEPAD-IPPF met in November 2013 in Arusha during which the request was examined and clarifications requested. The WAPP Secretariat has transmitted the requested clarifications and is awaiting the final decision of the Oversight Committee.



### **II.11. 330 KV NIGERIA-BENIN INTERCONNECTION REINFORCEMENT PROJECT**

The NEPAD-IPPF of AfDB undertook an Appraisal mission of the project in April 2013, following its confirmation of keen interest to fund the pre-investment Studies.

In order to accelerate the preparation of the studies, the NEPAD-IPPF conveyed its No- Objection to the request of the WAPP Secretariat for Advance Contracting whilst it sought approval for the funding. A related Call for Eols for the recruitment of Consultants to prepare the Studies was subsequently published on May 29th, 2013, on the UNDB and WAPP web site and also in the national newspapers of the concerned countries. The evaluation of Eols was carried out in Cotonou in June 2013 and submitted to AfDB for No Objection that was granted in August 2013.

Following the meeting of the Oversight Committee in November 2013, the AfDB confirmed that it has retained the preparation of the studies in its 2014 Work Program and as such shall be conducting a re-appraisal mission in December 2013. The WAPP Secretariat has begun preparing the RFP in anticipation of approval from the Oversight Committee.

### **II.12. 225 MW TIBOTO HYDROPOWER PROJECT (CÔTE D'IVOIRE, LIBERIA)**

The ToR for the Pre-feasibility Study was revised to incorporate comments from the Ministry in Charge of Energy in Liberia and the Liberia Electricity Corporation (LEC) and a related Request for Funding was submitted to the NEPAD-IPPF of AfDB for consideration.

### **II.13. EMERGENCY POWER SUPPLY PROJECTS OF THE GAMBIA, SIERRA LEONE AND MALI**

WAPP, in collaboration with ECOWAS, developed Emergency programs for power supply of the Gambia, Sierra Leone and Mali. These Programs were proposed for consideration and adoption of the 10th Meeting of the Ministers in charge of Energy, on May 24th, 2013, in Yamoussoukro.

The Ministers approved the aforementioned Programs and granted USD 55.34 million to finance Mali, USD 21.8 million for Sierra Leone and USD 31.9 million for the Gambia.

### **II.14. WORLD BANK TECHNICAL ASSISTANCE TO WAPP**

Within the framework of the capacity building of PIPES Management, the World Bank approved on March 28th, 2013, the Terms of Reference for the recruitment of resident experts (Protection of Hydropower environment, thermal generation). The WAPP Secretariat established, from July 28th, to 30th, 2013, the shortlist of Candidates who applied in response to the call for application. The Appraisal report was forwarded to the World Bank, on September 23rd, 2013, for its No Objection.

The WB also approved the revised procurement Plan for the Advance of Project Preparation (Q815), on February 21st, 2013.

### **II.15. 2<sup>ND</sup> ENERGY FACILITY PHASE 2 - 2<sup>ND</sup> CALL FOR PROPOSALS**

The WAPP Secretariat recruited Arthur Energy Advisors (AEA) to prepare funding applications for four (4) Cross-border Electrification Projects (Ghana - Burkina Faso, Burkina Faso - Niger, Senegal – the Gambia and Côte d'Ivoire - Guinea). These funding applications were submitted, on June 3rd, 2013, to EuropeAid in Brussels.



## **CHAPTER III : PROJECTS COORDINATION AND MONITORING**

***Projects coordination and monitoring was one of the key components of the WAPP Secretariat activities over the period covered by this report. For all of the projects below, the WAPP Secretariat managed to ensure a good technical, administrative and financial management with a permanent internal monitoring and periodic internal and external assessments to better certify the work of the service providers).***

### **III.1. EMERGENCY POWER SUPPLY PROGRAMME OF CONAKRY**

The Program was extended until 2014 to allow the completion of ongoing contracts and maintain support measures provided for as part of the project, in particular the management of the escrow account. So, the WAPP Secretariat carried out periodical missions to Conakry under the supervision of the Program.

The first visit which took place from December 17th to 21st, 2012 allowed, among others, to review the state of progress of the various sectors of the Program and to define by mutual agreement with EDG and the Special Evaluation and Procurement Committee of the Program, the urgent actions to be taken, before the termination of the contractual framework binding the parties under the Grant and Loan Conventions.

The second mission took place from January 2nd to 8th, 2013, under the employment Contract of three resident experts recruited by the WAPP Secretariat and put at the disposal of EDG to ensure the follow-up, the control and the management of the Program, from January 9th, 2012 to January 8th, 2013. The signing of transfer service between the resident experts and the WAPP Secretariat was carried out and minutes of the end of mission drafted.

A third mission took place from March 1st to 10th, 2013, on the request of the Minister of State in charge of Energy of the Republic of Guinea. The objective of this visit was to inform the Minister of the execution of the Program. Sites visits were organized and a concept note on the execution of the various aspects of the Programme was prepared and presented to the Guinean authorities.

The Minister of State congratulated the Secretary General for his diligence in the designing, the financing and the implementation of this program thanks to which the power supply was enhanced in the city of Conakry.

At the request of the new EDG Managing director, the WAPP Secretariat undertook from June 4th, to 10th, 2013, a working visit to Conakry. The objective of this working visit was, among others, to present the Program to the new Managing director and to review the state of execution of its various aspects. On this occasion, the WAPP Secretariat expressed its concern over the delay in the execution of these two components because of certain prerequisites to be complied with by EDG. These are the following components: "Restoration of the generation, transmission and distribution system protections" and "Rehabilitation of the storage tanks, their heating circuit".

At the request of the State Minister in charge of Energy, a delegation of the WAPP Secretariat has, once again, carried out a mission to Conakry, from August 19-23, 2013. On this occasion, a comprehensive review of the implementation of the program components has been completed.



*Maintenance works on a Transmission Line in Conakry*

The mission found that the Guinean government has fulfilled all of its obligations under the grant and loan Conventions with the ECOWAS. However, deficiencies were noted regarding the obligations of EDG. The mission recommended that EDG remedy these shortcomings so that all aspects of the program be implemented before the deadline of the end of the program fixed on March 31st, 2014.

**III.2. 225 KV BOLGATANGA (GHANA) -  
OUAGADOUGOU (BURKINA)  
INTERCONNECTION PROJECT**

The Power Sale and Purchase Agreement was signed by VRA, on November 6th, 2012 and by SONABEL, on November 12th, 2012.

The bidding for the recruitment of the Owner's Engineer responsible for monitoring the work of the project was completed in November 2012 and sent to the shortlisted Consultants, on March 20, 2013, in accordance with the World Bank procedures. Evaluation of Technical bids for the recruitment of the Engineer was held in Ouagadougou from May 13th, to 25th, 2013.

The evaluation report was submitted on June 15th, 2013 to the World Bank that gave its No Objection on 14 August 2013. The financial proposals were evaluated on August 23rd, 2013 in Ouagadougou and the reports of the technical and financial evaluations were prepared in September 2013.

Also, the World Bank has given its No Objection to the Call for Expression of Interest for the completion of the ESIA, the feasibility and engineering study as well as the preparation of Tender Documents regarding the reinforcement of the Atebubu – Tamale 161 kV transmission line.

The bidding relating to the procurement of transformers' spare parts in Aboadze and Tema was revised and resubmitted to the World Bank and AFD for No Objection. On August 14th, 2013 SONABEL also received from the WB No Objection on the shortlisted Consultants for the detailed design and implementation of the Environmental Management Plan in Burkina Faso.

In order to accelerate the process to procure the Contractors for the works, a draft pre-qualification document based on AFD's standard for procurement of the transmission lines was prepared by GRIDCO and SONABEL and transmitted to AFD and EIB for comments. The expected commissioning of the project is 2016.

Also, in order to ensure that a minimum of 100 MW of power can be transmitted to SONABEL on the interconnection line, reinforcement projects are being undertaken by GRIDCO in Ghana.

Moreover, the inception meeting of the Project Joint Implementation Committee (PJIC) was held in Ouagadougou on May 31st, 2013. It has permitted the update on the progress and to agree on urgent actions to accelerate its implementation.

**III.3. 330 KV ABOADZE - HAN AND 161 KV  
TUMU - HAN – WA PROJECTS IN GHANA**

**III.3.1. 330 KV ABOADZE - HAN**

The WB conducted from November 26 to 29, 2012, a mission to GRIDCO and the Ministry in charge of Energy of Ghana to ensure the execution on time of the funding agreements.

AFD also paid a working visit from March 27 to 28, 2013, to assess the progress of the project, the procurement procedures and contracts negotiations and the selection of consultants for the supervision of work.

The pre-investment studies involving Engineering, Feasibility Study and preparation of Bidding Documents by SNC Lavalin, Canada and Environmental and Social Impact Assessment by Envirosound Associates, Ghana, have been substantially completed.

With regard to the 330 kV Kumasi - Kintampo - Bolgatanga segment of the project to be financed by AFD, the recruitment of a Consultant to provide management, engineering and work supervision services is on-going.

The technical specifications and preliminary designs for the transmission line and substations have been prepared and the draft Prequalification and Bidding Documents have also been submitted to AFD for No-Objection.

### III.3.2. 161 KV TUMU – WA TRANSMISSION LINE

Construction works are ongoing and are almost completed.

### III.4. REHABILITATION OF 64 MW MOUNT COFFEE HYDROPOWER PROJECT

The ESIA Study including the Environmental Impact Statement (EIS), the Environmental and Social Management Plan (ESMP) and Resettlement Action Plan (RAP), was completed and approved by the Environmental Protection Agency (EPA) of Liberia and an Environmental Permit issued. The Engineering Study by Stanley Consultants Incorporated was also completed. The project is being implemented by the Project Implementation Unit of the Liberia Electricity Corporation.

### III.5. 64 MW FELOU HYDROPOWER PROJECT

The construction works have been completed and all the three turbines are operational.



Upstream of Dam



### III.6. 330 KV VOLTA (GHANA) – LOME “C” (TOGO) – SAKETE (BENIN) INTERCONNECTION PROJECT

Construction of the transmission line in Ghana is ongoing and expected to be completed by the 1st quarter of 2014.

With regard to the works in Togo/Bénin, the recruitment of Contractors has been completed, the Owners’ Engineer is in place and construction works, involving transmission lines and substations are on-going and expected to be completed by the 4th Quarter of 2014.

### III.7. 147 MW ADJARALA HYDROPOWER PROJECT

The Contract for the updating of the ESIA was signed on April 19th, 2013, between CEB and the Consultant, "Land Resources". CEB also signed a contract with Tractebel & Coyne et Bellier for updating the Detailed Engineering Study.

The Independent Experts Group of the Project conducted from 28 July to 3 August 2013, a mission in Lomé and the Project site to study and validate the type of dam proposed by Tractebel & Coyne and Bellier Consultant. At the end of the mission, the Panel concluded that the compacted concrete dam provides a better technical and economic benefit than the compacted rockfill dam proposed by the Consultant. The Panel therefore recommended that the update of the Feasibility Study and Detailed Engineering as well as the preparation of bidding documents reflect the new situation.

The report on the update of the detailed engineering study was submitted to CEB for consideration in September 2013.

### III.8. OMVG ENERGY PROJECT

With support from China, Guinea commenced work on the project with the construction of the 240 MW Kaleta Hydropower Plant.



The energy sharing arrangement for electricity generated from the Kaleta plant was defined by mutual agreement among the OMVG Member States. Meanwhile, the China Gezhouba Group Co. LTD has been selected to carry out the construction of 128 MW Sambangalou Hydropower Dam. The OMVG Secretariat has also initiated discussions with donors to redirect their funding intentions to the project interconnection component.

As a result of the talks, the amount of funding intentions is between U.S. dollars 584 and U.S. dollars 784 million for financing needs of U.S. dollars 716 million.



*View of the Participants in third OMVG Donors' Roundtable in Dakar*

### **III.9. MEDIUM VOLTAGE (MV) CROSS BORDER PROJECTS - 2ND ACP EU ENERGY FACILITY**

#### **III.9.1. SOUTHERN TOGO – GHANA MV CROSS BORDER PROJECT**

Following the adoption of the Final Reports of the Preparatory Studies, Bidding Documents for the works on the Togo and Ghana portions of the project were prepared and launched in November 2012.

The evaluation of tenders was held from February 18th, to March 1st, 2013 and the ensuing Contracts between the WAPP Secretariat and the selected Contractors were executed on March, 26th and 29th, 2013 for the works in Togo and Ghana respectively. The works involve the electrification of 12 rural communities in Togo from Ghana.

For the Togo portion, the detailed line route survey, clearing of the right of way, engineering designs and staking for the works commenced in October 2013 and are expected to be completed by December 2014.



*Beneficiaries during the handing over of the project site to the Contractor*

The Factory Acceptance Test of the project materials including transformers, insulators, tubular steel poles and energy meters for the works in Togo was held from July 10th to 22nd, 2013 in France and the project materials have been delivered.

The works in Ghana are about 60% complete and the entire project is expected to be commissioned in December 2014.

#### **III.9.2. NORTHERN TOGO – BÉNIN MV CROSS BORDER PROJECT**

Following the adoption of the Final Reports of the Preparatory Studies, Bidding Documents for the works on the Togo and Bénin portions of the project were prepared and launched in November 2012.

The Evaluation of the tenders was held from February 18th to March 1st, 2013 and the ensuing Contract between the WAPP Secretariat and the selected Contractor executed on March 29th, 2013.

The works involve the electrification of 9 rural communities in Northern Togo from Bénin.

The Factory Acceptance Test for the project materials was held in July 2013 in France and some of the project materials have already been delivered.



Detailed line route survey, staking, clearing of the right of way, and detailed engineering design for the works commenced in October 2013. The works are expected to be commissioned in December 2014.



*Village to be supplied from Bénin*

**III.10. MV CROSS BORDER ELECTRIFICATION PROJECTS – 1ST ACP-EU ENERGY FACILITY**

**III.10.1. GHANA-BURKINA FASO CROSS BORDER PROJECT**

The project has been completed and network commissioned. Final acceptance of the works in Burkina Faso has been done, however that of Ghana is expected to be undertaken in the 1st Quarter of 2014 when all the defects detected during the provisional acceptance would have been rectified.

**III.10.2. CÔTE D'IVOIRE - LIBERIA CROSS BORDER PROJECT**

Work is completed in the Nimba County which includes six rural communities, namely Logouato, Duoplay, Karnplay, Sanniquellie, Ganta and Saclepea. The commissioning was carried out in September 2013.



*Workmen stringing MV Line in Liberia*

The outstanding works in Côte d'Ivoire, Tabou-Prolo line that was to ensure supply of electricity to Maryland from Côte d'Ivoire has been completed.

The works in the Maryland County will be completed by the end of December 2013 and that of Grand Gedeh by February 2014.



*Workmen stringing MV Line, Maryland, Liberia*

Negotiation of a Power Purchase Agreement between Secteur Ivoirien d'Electricite (CI-ENERGIES and CIE) and LEC has been completed.



*The Cross-Border Projects raise great hope within the rural communities*

A Memorandum of Agreement was signed pending the execution of the PPA.

## **CHAPTER IV: ACTIVITIES RELATING TO THE PREPARATION OF THE REGIONAL ELECTRICITY MARKET**

The WAPP Secretariat has continued, over the period covered by this report, the activities relating to the implementation of the Construction project of the WAPP Information and Coordination center, to the modeling of the power system and to the management and evaluation device of the member Utilities.

### **IV.1. IMPLEMENTATION OF THE ICC PROJECT**

The project was approved to the tune of €30 million by the EU Member States on November 21st, 2013. The EU Commission is expected to sign the Decision before the end of year 2013. Pending the execution of the Financing Agreement between the WAPP Secretariat and the European Union, the EU has already published the Prior Information Notice for the preparation of the tender dossier and supervision services for the construction and equipment of the West African Power Pool (WAPP) Information and Coordination Center.

Moreover, in order to have an operational staff from start of ICC activities, the secretary General selected a consultancy firm to recruit two Operating System engineers and two SCADA/Telecommunication engineers. The consultant submitted the conclusions of his report for review and adoption by the Executive Committee.

### **IV.2. IMPLEMENTATION OF THE WAPP DARK FIBER**

The WAPP Secretariat held several consultative meetings with the Utilities' Managing directors to determine the best strategy to implement the Project.

A working visit was also organized with Manitoba Hydro Telecoms (Canada) for sharing of experience purposes.

### **IV.3. DEVELOPMENT OF WAPP POWER SYSTEM MODELS**

The model integrating the two areas of WAPP was developed. The model of Zone A developed by the System Study Taskforce in 2011 and the model of Zone B from data collected by Tractebel Engineering in 2011 were merged to an integrated system model.

This model was reviewed, updated and its data validated during the meeting organized from June 24th, to 28th, 2013 in Cotonou.

### **IV.4. IMPLEMENTATION OF THE WAPP OPERATION MANUAL**

Under the World Bank grant of USD21.5 million for "Technical Support and Integration of WAPP networks" (Component 2B of the CLSG WAPP Project), WAPP developed TOR, EOI and RFP for the recruitment of consultants for the technical study and Owners Engineer on synchronization of WAPP electrical networks and installation of synchronization equipment.

In collaboration with the Utilities, an Action plan for the WAPP Zone A interconnected power systems was adopted.

### **IV.5. MONITORING OF THE POWER MARKET**

The WAPP Secretariat ensured, during the period covered by this report the monitoring of power exchanges among the WAPP interconnected systems. The 2012 report on the Operation Manual on the interconnected systems was published.

### **IV.6. IMPLEMENTATION OF M&E STRENGTHENING FOR WAPP**

The M&E software (M&E) was updated. Equipments (hardware and software) were delivered and installed in the member Utilities: (EAGB, NPA, LEC, NIGELEC), from February 10th, to 24th, 2013. The delivery of the hardware was followed by a training course for the M&E focal points.

Besides, the monthly Monitoring & Evaluation data collection index card was revised and a digital broadcasting board of M&E projects data was installed.

## **CHAPTER V : STATUTORY MEETINGS**

This chapter is dedicated to the ordinary and extraordinary Sessions of the WAPP Executive Board, the meetings of the Organizational Committees and the Donors meetings.

### **V.1. WAPP EXECUTIVE BOARD (EB) MEETINGS**

#### **V.1.1. 4<sup>TH</sup> EXTRAORDINARY EXECUTIVE BOARD MEETING**

The WAPP Secretariat organized, on March 12th, 2013, at Novotel Hotel Orisha of Cotonou, the 4th Extraordinary Meeting of the WAPP Executive Board. At the session, the Executive Board unanimously adopted:

- § the Recommendations of the Engineering and Operating Committee (EOC) on the Rules and Procedures of WAPP Information technologies (IT);
- § The WAPP Disaster Recovery Plan.
- § The WAPP Internal Audit Charter, the WAPP Risk Management plan, the revised financial Regulation and the Revised Manual of accounting and finances.



*Group Photo of the Executive Board at the 4th Extraordinary Meeting*

The Board has, in addition, approved the payment of educational benefits to the WAPP Permanent General and auxiliary Staff.

For that purpose, the Permanent General and auxiliary Staff will receive educational benefits of USD 2.000 for every dependent child, regularly registered at the primary, secondary and university level, per academic year.

#### **V.1.2. 20<sup>TH</sup> ORDINARY SESSION OF THE EXECUTIVE BOARD**

The WAPP General Secretariat organized, on May 13th, 2013, the 20th Meeting of the WAPP Executive Board in Cotonou.

During this meeting, the Secretary General presented, at first, his interim report which covers the period from November 2012 to April 2013.

The Board commended the Secretary General for the quality of the results obtained and encouraged him to keep on the same dynamism to maintain the progress achieved.

Then the Executive Board unanimously adopted the interim report of the Secretary General.

The WAPP Secretariat also notified to the Executive Board the membership request of Eskom Energy limited company to WAPP. The Board, after consideration on the issue, instructed SOGEM and EDM-SA to inquire about the Company's contractual status.

The Chairperson of the Board finally presented a picture of the contributions of the member utilities to WAPP budget, as at May 10th, 2013. The Executive Board decided to write to the debtor member utilities, urging them to pay their arrears of contribution and settle, in a regular way, their contributions to allow WAPP achieve its goals and programs.



### V.1.3. 21ST ORDINARY SESSION OF THE EB

The WAPP Secretariat organized on October 11th, 2013, the 21th Meeting of the WAPP Executive Board in Cotonou. This meeting was meant, inter alia, for the consideration and adoption of the following:

- § WAPP 2014 Work Programme and Budget;
- § Evaluation Report on the recruitment of an External Auditor for the 2013 and 2014 accounts auditing;
- § 2012 Financial Statements and Letter to the Management;
- § Memorandum relating to the Memorandum of Agreement between the Risoe Centre of the United Nations Environment Programme (UNEP) and the WAPP to develop an emission factor of WAPP interconnected system.

### V.2. MEETINGS OF THE FINANCE COMMITTEE

The Finance Committee held its 5th Meeting, from January 28th to 30th, 2013, at the WAPP Secretariat in Cotonou. A part of outcomes of this meeting, the Committee adopted the WAPP Internal Audit Plan, the WAPP Risk Management Plan; the WAPP Revised Financial Regulations and WAPP Revised Accounting and Finance Manual. The Committee recommended to the Executive Board, after adoption, the approval of these documents.

The WAPP Secretariat organized the sixth meeting of the Finance Committee (FC), from September 16th to 20th 2013, at WAPP Headquarters, in Cotonou. The meeting was to consider and adopt the WAPP draft Working Program and the WAPP 2014 Budget

After consideration and amendments, the Finance Committee adopted the project of Working program and the WAPP 2014 Budget which is balanced in revenue and expenditures to AU 34.558.059.

The Finance Committee finally recommended the approval of the said documents to the Executive Board.

### V.3. REUNION MEETING OF THE HUMAN RESOURCE AND GOVERNANCE COMMITTEE (HRGC)

The Committee of the Human resources and Governance (CHRG) held its 4th Meeting, from January 16th, to 17th, 2013, at the WAPP Headquarters in Cotonou. The meeting was to consider and adopt the WAPP Disaster Recovery Plan, to discuss and propose a process for the selection of the next WAPP Secretary General.

At the end of the meeting, the CHRG adopted, after amendments, the WAPP Disaster Recovery Plan and recommended its adoption to the Executive Board.

As regards the process of selection of the new Secretary General, the Committee requested the WAPP Secretary to establish the position record which will be the subject of further discussions at the 5th Meeting of the Committee scheduled for May, and postponed to November 2013 in Dakar, Senegal.

### V.4. DONORS' MEETING

The 23rd Donors meeting took place on May 14th, 2013, in Cotonou. At this meeting, presentations were made on, among others, the status of implementation of the WAPP Priority Projects, the preparation of the Regional Electricity Market and the WAPP Capacity Building Program.



*View of the 22nd WAPP Donors meeting in Abuja, November 1st 2012*



The WAPP Secretariat also seized this opportunity to express its urgent funding requirements to the TFP.

In answer to the request, USAID confirmed its will to finance up to € 4.5 million the necessary counseling as part of the negotiations with Sithe Global under the construction of the Maria Gleta 450 MW Thermal plant.



*Group-Photo of the WAPP 23rd Donors Meeting Cotonou, May14th, 2013*

#### **V.5. 9<sup>TH</sup> MEETING OF THE ENGINEERING AND OPERATING COMMITTEE (EOC)**

Le The WAPP Secretariat organized, in association with SONABEL, the 9th statutory meeting of the Engineering and Operating Committee (EOC), from September 23rd, to 25th, 2013, in Ouagadougou. The meeting helped review:

- § The status of the World Bank Technical Assistance on WAPP Synchronization;
- § The global situation of power supply in the sub-region;



*View of the Participants / 9th Meeting of WAPP Engineering and Operating Committee (EOC)*

At the meeting, the draft Geographical Information system (GIS), necessary to the management of power systems was presented.

Likewise, the power flow model of the WAPP interconnected system along with the software PSS / E was presented. During this presentation, an operation simulation of the complete model generating associated connections from the PSS/E software was presented

ERERA has, moreover, made the record of the review of the operation manual which was submitted to it by the WAPP Secretary. The quality and relevance of the Manual in the light of the standards and international practices have been underlined.

However, ERERA expressed a few reservations as to the applicability of the Manual in its entirety, from the beginning of the market considering the current state of the interconnected network. A subcommittee made of the representatives of control areas was, as a result, set up to revise the document with ERERA, as against the comments formulated during the meeting.



*Group Photo / 9th Meeting of WAPP Engineering and Operating Committee (EOC)*

At the end of the meeting, the EOC made the following recommendations:

1. Implement immediately, the three-threshold load shedding plan for all the member utilities and the gradual migration towards a five-threshold load shedding before the synchronization of the WAPP interconnected system.
2. WAPP will have to make sure that the implementation by the member utilities is gradual and true to the rules as specified by ERERA

3. In accordance with the responsibilities of the EOC, WAPP will use the operating data provided by the member utilities to facilitate the fast-track publication of the WAPP 2012/2013 Operation Annual Report
4. In compliance with the Guidelines of the ECOWAS Heads of state to set up as soon as possible a sustainable power market in the sub-region, the WAPP Executive Board will have to promote a magazine of power prices in the countries to encourage investments in the power sector within the sub-region.

#### **VI.6. MEETING OF THE WAPP STRATEGIC PLANNING AND ENVIRONMENT COMMITTEE (SPEC)**

The 9th meeting of the Strategic Planning and Environmental Committee (SPEC) was organized from September 30th to 31st, 2013. The objective of the meeting was to formulate a cooperation framework with the United Nations Environment Programme (UNEP) to develop a grid emission factor for the WAPP interconnected network with a view to integrating the potential of carbon finance in the funding of WAPP Priority Projects.



*Participants at the SPEC meeting, Cotonou, October 23rd, 2013*

To concretize the collaboration, an MOU was signed between WAPP Secretariat and UNEP Risoe Centre on October 23rd, 2013. Draft Terms of Reference have been prepared to recruit a Consultant to undertake a Feasibility Study and calculation of a Grid Emission Factor for the WAPP Interconnected system.

#### **VI.7. 6TH ECOWAS STRATEGIC PLANNING COORDINATION COMMITTEE (SPCC)**

During the period under review, the WAPP Secretariat participated in the 6th ECOWAS SPCC meeting held in Ouagadougou (Burkina Faso) from March 4th to 6th, 2013. The objective of the meeting was to discuss a comprehensive strategic planning framework for an effective realization of ECOWAS Vision 2020.

The meeting focused on among others: (a) the management of risks (b) capacity reinforcement needs of the Monitoring and Evaluation Unit of the ECOWAS Mission, (c) the development of operational and business plans for the period 2016 – 2020.

## **CHAPTER VI : COOPERATION WITH THE MEMBER UTILITIES, REGIONAL AND INTERNATIONAL ORGANIZATIONS**

In accordance with its objectives, the WAPP Secretariat endeavored, over the period covered by this report, to enhance cooperation with the member Utilities, sub-regional, regional and international institutions.

### **VI.1. WORKING VISIT OF THE SG TO THE POWER SECTOR IN CÔTE D'IVOIRE**

The Secretary General carried out from February 4th, to 6th, 2013, a working visit to the actors of the power sector in Côte d'Ivoire.

The visit aimed at reviewing the status of progress of the WAPP projects involving Côte d'Ivoire, identifying the difficulties met in their implementation in order to agree on how to speed up the implementation of the projects.

The exchanges resulted in organizing a Donors Round Table on the hydropower potential of Côte d'Ivoire. This Round Table will consist of manufacturers and the investors interested in the sector. WAPP will confidentially be associated with the preparation of this Round Table.

### **VI.2. TECHNICAL COOPERATION BETWEEN THE UTILITIES AND POWER POOLS**

Within the framework of enhancing the Technical Cooperation among utilities and Power Pools, the WAPP Secretariat undertook a study trip to the South African Power Pool from December 11th, to 16th, 2012.

The Mission aimed at sharing experiences regarding capacity building, between both Power Pools.

At the end of the visit, the WAPP Secretariat and the South African Power Pool expressed the wish to share best practices within both institutions and to widen exchanges to the technical and managerial plans.

The General Secretary also took part in the following meetings:

- § Inception Meeting of the study on improving Tele-control/ SCADA Telecommunication Meeting on the component 3 of Felou hydropower project that took place from February 11th, to 12th, 2013;
- § Meeting organized by ERERA in Dakar from 24 to 26th July 2013 that was partly devoted to the review of the analysis of the WAPP Operation Manual;
- § Review meeting on the Consultant Report recruited by the World Bank for phase 1 of the study on the synchronization of the WAPP interconnected systems, from March 25<sup>th</sup> to 27<sup>th</sup>, 2013.

### **VI.3. ECOWAS MEETING OF ROAD INFRASTRUCTURE, WORKS, JUSTICE AND FINANCE MINISTERS FROM NIGERIA, BÉNIN, TOGO, GHANA AND CÔTE D'IVOIRE FOR THE ABIDJAN-LAGOS HIGHWAY DEVELOPMENT PROJECT**

The 6th Meeting of ECOWAS Strategic Planning and Coordination Committee were held in Ouagadougou (Burkina Faso) from March 4th, to 6th, 2013.

The objective of the meeting was to put in place a strategic planning framework for the effective implementation of ECOWAS 2020 Vision. The participants in this meeting recommended the introduction of the concept of risk management within the ECOWAS, the reconfiguration of the institutional architecture of the ECOWAS and the strengthening of the workforce of ECOWAS Monitoring & Evaluation Unit.

#### **VI.4. EU TECHNICAL ASSISTANCE TO THE WAPP SECRETARY**

Within the framework of the long-term Program of Technical Assistance of the EU to WAPP, a call for tenders was launched for the recruitment of a Consultant in charge of assisting PIPES Management in the preparation of some Priority Projects.

An evaluation of the technical and financial bids of three pre-selected utilities took place at the WAPP Secretary, in the presence of the Delegation of the European Commission in Benin, on February 26th, 2013.

This evaluation was followed by talks with three shortlisted utilities, on March 26th, and 27th, 2013.

The ToR and the budget for the recruitment of the Consultant were prepared and submitted to the EU Delegation in Benin, on March 7th, 2013, for consideration.

The aforementioned Consultant was recruited and took office on June 19th, 2013.

#### **VI.5. ECOWAS - WAPP JOINT MISSION TO SIERRA LEONE**

A joint ECOWAS-WAPP delegation, led by the Secretary General, Amadou Diallo, undertook a working visit from April 15th, to 19th, 2013, in Freetown.

This visit is in response to a request formulated by the President of the Republic of Sierra Leone at the ECOWAS Commission, for a financial assistance to recondition Bumbuna Hydropower Power plant.

The joint delegation had working sessions with the Minister in charge of Energy, the National Power Authority (NPA) and carried out sites visits to have an idea of what is on ground as far as power generation, transmission and distribution facilities are concerned.

At the end of the assessment, actions to be taken were identified and recommendations were formulated to the intention of ECOWAS.

The Government of Sierra Leone has expressed its gratitude to the ECOWAS Commission and WAPP for their prompt reaction in the processing of the request.

The Secretary General has seized the opportunity to remind the NPA of its low commitment in the implementation of WAPP projects and the arrears of contributions of USD 400,000 accumulated since 2007. The NPA has expressed its regret for the non-payment of his dues and promised to do everything to regularize the situation.

#### **VI.6. WORKING VISIT OF PHCN MD**

The Managing Director of PHCN which successfully conducted the restructuring of the power sector in Nigeria, made in May, 2013, a working visit to the WAPP Secretariat.

During his visit, Dr. LABO presented, in an exhaustive way, the reforms led in the power sector in Nigeria.



*WAPP Secretary General and Ingr. LABO*

#### **VI.7. UNITED NATIONS CONVENTION ON CLIMATE CHANGE / CLEAN DEVELOPMENT MECHANISM (CDM)**

The WAPP Secretariat held, on May 29th, 2013, in Cotonou, a meeting with the Secretariat of the United Nations Convention on Climate Change. The objective of the meeting was for the UNCCC to understand the interconnected WAPP system and the possibility of establishing a value for the Grid Emission Factor for the entire WAPP.



The CDM will allow WAPP projects to earn certified emission reductions (carbon credits) which can be traded or sold, and used by industrialized countries to meet a part of their emission reduction targets under the Kyoto Protocol.

#### **VI.8. 10TH MEETING OF ECOWAS MINISTERS IN CHARGE OF ENERGY**

In compliance with the Decision of the 42nd Ordinary Session of the Authority of ECOWAS Heads of State and Government held in Yamoussoukro, the 10th meeting of the ECOWAS Energy Ministers was held on May 24th, 2013 in Yamoussoukro.

The objective of the meeting was to examine efforts aimed at extending and improving the efficiency of electricity projects in West Africa, to examine request for Emergency Power Supply Programme for The Gambia, Mali and Sierra Leone.



*View of the 10th, Meeting of ECOWAS*

To the WAPP Secretariat the meeting was a platform to present the status of implementation of the WAPP Priority Projects and the establishment of the Regional Electricity Market.

The Summit has, in addition, approved the Emergency Power Supply Program in favor of the Gambia, Mali Sierra Leone developed by the General Secretary, in association with the three countries.

#### **VI.9. WORKSHOP ON THE ECOWAS WHITE PAPER ON ENERGY**

The WAPP Secretariat participated in a Workshop on the State of Play of the White Paper and the preparation of an ECOWAS Energy Strategy by 2030 held from 11th to 13th September 2013 in Bissau.

The objectives of the Workshop were as follows:

- (i) Enhance regional integration in access to energy by experience and information sharing and sub-regional cooperation in implementing the White Paper and the Sustainable Energy for All (SE4ALL) initiative.
- (ii) Encourage regional inter-sector dialogue on emerging priorities in sustainable human development and the achievement of MDG through access to energy.
- (iii) Promote a framework for operational planning and harmonized coordination for Access to Energy Service.

The WAPP Secretariat made a presentation on the ECOWAS Master Plan for Power Generation and Transmission and the peri-urban and rural electrification projects as a means of contributing to the achievement of the SE4ALL initiative.

#### **VI.10. SETTING UP OF THE WAPP EMISSION FACTOR**

The WAPP Secretariat organized a meeting between the Strategic Planning Committee (SPC) and the United Nations Environment Programme (UNEP), from July 30th to 31st, 2013 in Cotonou.

The objective of the meeting was to create a cooperation framework to operate the emission factor of the WAPP interconnected network in order to benefit from carbon credits under the funding of WAPP Priority Projects.

#### VI.11. 5TH AFRICAN CARBON FORUM

The WAPP Secretariat took part in the 5th African Carbon Forum held from July 3 to 5, 2013 in Abidjan.

The Forum served as a platform to sensitize the political and environmental stakeholders on the latest methods of fight against climate change and the carbon market development which is a promising mechanism to stimulate green industries and an economy of low-carbon emission in Africa.

The WAPP Secretariat took the opportunity to share with its strategic partners (Regional Collaboration Centre (RCC) of the United Nations Framework Convention on Climate Change (UNFCCC / BOAD), the United Nations Environment Programme (UNEP), activities and opportunities for exploiting the potential of WAPP interconnected network's Carbon Credits.

#### VI.12. WORKING VISIT OF ECREEE AT WAPP SECRETARIAT

The WAPP Secretariat received, from September 30 to October 3, 2013, a delegation from the Centre for Renewable Energy and Energy Efficiency (ECEEE) in Cotonou.

Discussions focused on strengthening the collaboration between the two institutions under the "Sustainable Energy for All Initiative Programme".

#### VI.13. INTERNATIONAL MEETINGS

The WAPP Secretariat participated, over the period covered by this report, in the following meetings:

- § Training in Pretoria, in South Africa on the repurchase tariff for the development of Renewable Energies within the framework of the Technical Assistance of the European Union to the African Forum of Regulators of Public services (AFUR);
- § Statutory meetings of the ARREC, ECREEE, the European Union, TFPs, EIB, ADB, WB, IDB etc.;

- § ECOWAS Awareness Days in Guinea, from March 26th, to 28th, 2013, in Conakry, Guinea;
- § 9th Coordination Meeting of ECOWAS ICT in Abuja, Nigeria from April 29th to May 3rd, 2013;
- § 17th Meeting of the Supervisory committee of the Special Fund of the Funding Mechanism for the Preparation of Infrastructure Projects of NEPAD (NEPAD/IPPF) held in Maputo, Mozambique, from November 19th, to 21st, 2012;
- § Convention of the power industry for West Africa which was held in Lagos, from November 19th, to 21st, 2012
- § Ministerial Conference on "the requests in the area of governance in Global Energy and the potential of the Charter on the Energy", on November 26th, and 27th, 2012 in Warsaw (Poland);
- § 2th Conference of Liberia on Mines, Energy and Oil, from April 9th to 11th, 2013, Monrovia;
- § Conference on solar energy, from December 13th to 15th, 2012, in Ouagadougou (Burkina Faso) ;
- § Meeting relating to the revision of the documentation process and the policy of procedure of the ECOWAS ICT the from June 4th to 7th, 2013, in Nasarawa, Nigeria; -
- § Workshop on policies and planning of energy organized by ECREEE/IRENA from September 16th to 20th, 2013 in Accra, Ghana.
- § ECOWAS Meeting of Road Infrastructure, Works, Justice and Finance ministers from Nigeria, Benin, Togo, Ghana and Cote d'Ivoire for the Abidjan-Lagos Highway Development Project in Abuja from July 11th to 15th, 2013,

## **CHAPTER VII : ADMINISTRATIVE AND FINANCIAL ACTIVITIES**

During the period covered by this report, the WAPP Secretariat developed and got its governing bodies to approve documents relating to the politics, regulations and procedures. The recruitment process under the 2013 budget was launched and the WAPP capacity building Program is in progress.

### **VII.1. HUMAN RESOURCES MANAGEMENT**

The General Secretary organized and finalized the recruitment of executives for the following positions:

- § A Director of the of Côte d'Ivoire-Liberia-Sierra Leone-Guinea (CLSG) Project Implementation Unit ;
- § A Head of Planning, Studies and Financing Division ;
- § A Procurement Specialist ;
- § An environmentalist Specialist in the PIPES Department ;
- § An Hydro-electrician Specialist in the PIPES Department ;
- § 4 Engineers for the ICC ;
- § A Human Resources Officer ;
- § A bilingual secretary for the DAF ;
- § An accountant, for a 03- year-contract ;
- § An accountant for the CLSG Project ;

The General Secretary also organized the evaluations and the confirmations of the following permanent employees to their position.

- § 7 drivers ;
- § 1 IT Assistant ;
- § 1 Administration Officer.

In accordance with the provisions of the WAPP Staff Rules, the WAPP Secretariat has also put in place a pension plan for its permanent staff by integrating the pension funds of the ECOWAS Commission. The WAPP Secretariat has, finally, hired a firm of consultants that has revised the Initiative of the Program to strengthen the WAPP capacity building.



### **VII.2. CAPACITY BUILDING PROGRAMME**

Within the framework of the capacity building Program of its Staff, the WAPP Secretariat organized the following activities:

- § Training on the use of the stock management module of the " Sun System " software for the DA&F Staff ;
- § Two training courses on preventive driving for the benefit of all the drivers of the WAPP Secretariat ;
- § Training of the drivers, Security men and cleaners on how to use fire extinguishers ;
- § Training course on the techniques of files classification and archiving to the attention of the administrative assistants and executive secretaries of the WAPP Secretariat ;
- § Training course on the use of World Bank procurement procedures ;
- § Training on the Monitoring and Evaluation Program of the ECOWAS Commission for five members of the WAPP Secretariat professional staff ;
- § Training workshop on the governance of the electricity sector to the attention of 25 senior executives of Ministries in charge of energy of ECOWAS countries and the regulatory bodies of the electricity sector and of WAPP member utilities in Abidjan, in February 2013;
- § Training session on the operation and maintenance of power systems for the benefit of 26 agents of the member utilities of EDM-SA (Mali), SONABEL (Burkina Faso) and NIGELEC (Niger).

The trainings were held in the 'Centre de Formation et de Perfectionnement Professionnel' (CFPP) of Senelec, from April 23rd to May 03rd, 2013.

- § Exchange Program for the benefit of the Directors-Generals and high level managers of member utilities.

#### VII.2.1. WAPP-USAID

The WAPP Secretariat obtained the extension of the Program IL3 with the USAID.

The activities realized in the 2012-2013 Work program include:

- i. the secondment of 5 Experts of the member utilities to the WAPP Secretary;
- ii. The organization of 07 workshops of training and 4 experience exchanges programs for 120 participants of the member utilities).
- iii. the acquisition of consulting services consisting in :
  - the elaboration of the Manual of administrative, accounting and financial procedures of the WAPP Secretariat, in the process of finalization;
  - the revision of the WAPP Capacity Building Program Initiative;
  - The services of the Technical and Financial advisers' on the Domunli Project.

The WAPP Secretariat has also prepared and submitted for funding to the USAID, a capacity-building program on Renewable Energy.

#### VII.2.2. WAPP CLSG - AFDB PROGRAMME

Within the framework of the implementation of the Côte d'Ivoire-Liberia-Sierra Leone-Guinea (CLSG) interconnection line, the WAPP Secretariat prepared and submitted for financing to the African Development Bank (AfDB), a capacity building program for actors from the recipient countries.



#### VII.2.3. WAPP-WORLD BANK PROGRAMME

Within The WAPP Secretariat has also secured a funding from the World Bank to facilitate the integration of the power systems of member utilities and the creation of the Regional Electricity Market.

#### VII.2.4. WAPP- EU PROGRAMME

The Program of Capacity building WAPP-UE aimed at assisting the WAPP Secretariat in the implementation and the fast operationalization of the Information and Coordination Center (ICC).

This three-year program is endowed with an amount of €1,851,334 which will serve to cover the expenditures of the resident Technical assistance to WAPP.

#### VII.3. ADMINISTRATIVE AND FINANCIAL MANAGEMENT

The WAPP Secretariat developed and got its governing bodies to approve documents relating to the following politics, regulations and procedures:

- § Manual of administrative, accounting and financial procedures
- § Charter of the internal audit,
- § Policy and procedures of IT management

The Financial statements of the General Secretary as at December 31st, 2012 were prepared and audited by the external auditor, Price Water House Coopers (Ghana).

Also, the financial statements of the projects below were audited:

- § Cross-border Electrification of Rural Communities in Togo from Ghana ;
- § Cross-border Electrification of Liberia Communities from Ivory Coast ;
- § WAPP Monitoring and Evaluation system financed by the World Bank ;
- § CLSG project financed by the World Bank.

All the financial audits of the WAPP Secretariat and the projects result into a satisfactory conclusion.



Besides, the WAPP Secretariat recruited a new internal Auditor in place of Ghana PWC which non-renewable contract came to an end.

On top of that, the WAPP Secretariat recruited a firm of auditors in a view to supporting its internal auditing unit, in compliance with the recommendations of the Cabinet 'Ernest &Young', appointed by the European Union Committee to audit the institutional capacities of the WAPP Secretariat.

The WAPP Secretariat prepared its budget and work programme for 2014 in August 2013. The said budget was reviewed and approved by the WAPP Finance Committee and Executive Board.



*View of WAPP Staff during the budget preparation in Grand Doo. Benin*

The WAPP Secretariat finally, intensified its efforts to ensure the recovery of the arrears of contributions to the WAPP budget.

As of 31st October 2013, the financial situation of the WAPP Secretariat, as reflected in the balance on its main accounts, is summarized as follows:

#### STATUS OF BANK ACCOUNTS AS OF 31<sup>ST</sup> 2013



NAME OF BANK ACCOUNT	BANK	CURRENCY	BALANCE AS OF 31 <sup>ST</sup> OCTOBER 2013		
			F CFA	USD	EURO
SYST D'ECHANGES D'ENERG ELECTR O.A.	ECOBANK	F CFA	89.113.788		
SYST D'ECHANGES D'ENERG ELECTR O.A.	ECOBANK	USD		2.007.613	
SYST D'ECHANGES D'ENERG ELECTR O.A.	ECOBANK	EURO			74.119
EEEEOA RECOUVREMENT	ECOBANK	F CFA	1.035.663		
EEEEOA RECOUVREMENT	ECOBANK	USD		30.439	
<b>TOTAL</b>			<b>90.149.451</b>	<b>2.038.052</b>	<b>74.119</b>

## **CHAPTER VIII : OUTLOOK FOR 2014**

*The WAPP Secretariat aims to achieve the following objectives for the next twelve months.*

### **VIII.1. ON THE ADMINISTRATIVE AND FINANCIAL LEVEL**

- § Strengthen the workforce of the WAPP Secretary;
  - § Perform renovations of the premises of the WAPP Secretariat ;
  - § Implement the Capacity building Program in compliance with the Work Program set up by USAID, ADB, EU and other TFP ;
  - § Develop and implement a Training program for the benefit of the staff of the WAPP Secretariat ;
  - § Organise statutory meetings ;
  - § Participate in the sessions of the Council of Ministers and in ECOWAS Heads of State and Governments Summit ;
  - § Enhance the visibility of WAPP with the member utilities, State, technical and financial Partners.
- § Coordinate and monitor the implementation of 450 MW Domunli (Ghana) Regional Power Generation Facility ;
  - § Select Strategic Partner for the development of the 150 - 400 MW WAPP Regional Power Generation Facility within OMVS Zone ;
  - § Prepare Pre-investment Studies for the 330 kV WAPP Nigeria - Benin Interconnection Reinforcement Project ;
  - § Update Pre-investment Studies for the 330 kV WAPP North Core (Nigeria, Niger, Benin, Burkina) Project ;
  - § Adopt Pre-feasibility Study for the 1 18 MW Kassa 'B' Hydropower Project in Guinea ;
  - § Follow-up on the development of the 5 15 MW Souapiti Hydropower Project in Guinea ;
  - § Follow-up on the development of the 86 MW Bikongor Hydropower Project in Sierra Leone ;
  - § Adopt Pre-feasibility Study for the 220 MW Tiboto Hydropower Project (Cote d'Ivoire, Liberia) ;
  - § Follow-up on the rehabilitation of the Kanji and Jebba Hydropower Plant in Nigeria ;
  - § Follow-up on the 330 kV Aboadze - Prestea - Kumasi - Bolgatanga & 161 kV Tumu - Han - Wa Transmission Line Projects in Ghana ;
  - § Follow-up on the implementation of the 330 kV Volta (Ghana) - Lome 'C' (Togo) - Sakete (Benin) Interconnection Project ;
  - § Coordinate and monitor the implementation of the Ghana - Southern Togo MV Cross Border Project ;
  - § Coordinate and monitor the implementation of the Benin - Northern Togo MV Cross Border Project ;

### **VIII.2. ON THE LEVEL OF FUND RAISING AND PROJECTS MANAGEMENT**

- § Follow-up on the implementation of the 225 kV Bolgatanga (Ghana) – Ouagadougou (Burkina Faso) Interconnection Project ;
- § Adopt complementary Pre-investment Studies on the 225 kV Ghana - Burkina Faso - Mali Interconnection Project ;
- § Follow-up on the implementation of the 225 kV Sikasso - Bamako Transmission Line Project in Mali ;
- § Mobilize financing for the implementation of the 330 kV Cote d'Ivoire – Ghana Interconnection Reinforcement Project ;
- § Mobilize financing for the implementation of the 225 kV Guinea - Mali Interconnection Project ;
- § Coordinate and monitor the implementation of the 450 MW WAPP Maria Gleta (Benin) Regional Power Generation Facility) ;

- § Coordinate and monitor the implementation of the Côte d'Ivoire - Liberia MV Cross Border Project ;
  - § Adopt Pre-investment Studies for the MV Cross Border Projects within the 2<sup>d</sup> Energy Facility Phase 2 (Côte d'Ivoire - Guinea; Ghana - Burkina Faso; Burkina Faso - Niger; Senegal - The Gambia) ;
  - § Follow-up on the preparation of Pre-investment Studies for the WAPP 760 kV Super Grid Project in Nigeria ;
  - § Launch Pre-investment Studies for the 30 MW Solar Power Park in Mali ;
  - § Follow-up on the implementation of the OMVG Energy Project (Senegal, The Gambia, Guinea, Guinea Bissau) ;
  - § Follow-up on the implementation of the 147 MW Adjarala Hydropower Project ;
  - § Adopt Feasibility Study on the establishment of a Grid Emission Factor for WAPP ;
  - § Monitor the implementation of the 225 kV CLSG Interconnection Line ;
  - § Coordinate interventions of Donors and mobilize funding for the development and execution of WAPP Priority Projects ;
  - § Enhance Technical Cooperation.
- § Carry out Transmission Tariffs Study ;
  - § Estimate the reliability of the WAPP Power system;
  - § Ensure the improvement of WAPP power system ;
  - § Operationalize the Regional Electricity Market;
  - § Implement the WAPP ICC project;
  - § Recruit the Engineering consultant of the WAPP ICC Project ;
  - § Develop the operators Certification programme of the WAPP power system;
  - § Implement Phase 1 of WAPP Operation Manual ;
  - § Real-time release of information within the Power Pool;
  - § Improve the Information and Communication Technologies of the WAPP WAPP Secretary;
  - § Develop the database and the WAPP IMS ;
  - § Enhance the partnerships with Stakeholders of the power sector;
  - § Monitoring of WAPP power exchanges;
  - § Keep on implementing the WAPP Monitoring and Evaluation system;
  - § Publish information on the operation of the WAPP interconnected systems;
  - § Building capacity in favor of the ICC key staff and the Power Pool staff.

### **VIII.3. ON THE LEVEL OF THE PREPARATION OF THE REGIONAL ELECTRICITY MARKET**

- § Develop a plan for a reliable operation of the WAPP Power Pool ;
- § Achieve the synchronization of the WAPP interconnected networks ;