

PD-ABX-675

Annual Report

USAID Task Order #807

WAGP Technical Assistance

1st December 2001 to 30 September 2002

Prepared For:

USAID Ghana

**U.S. Agency for International Development
West Africa Gas Pipeline Project
Contract No. LAG-I-00-98-00006-00, Task Order # 807
Nexant Ltd.**

**ANNUAL REPORT – 2002
(October 1st, 2001 – September 30th, 2002)**

1. Technical Assistance Status Report
2. Budget Implementation
3. Projected Technical Assistance Work Program

I. Technical Assistance Status Report & Deliverables

1.1 Technical Assistance Objectives

The West Africa Gas Pipeline (WAGP) is a project for a 650km, \$500M pipeline (“the Project”) aiming at delivering the methane component of the Nigerian gas currently flared in the Niger Delta to Ghana, Togo and Benin (referred below as “the Purchasing Countries” and, together with Nigeria, as “the States”). The Pipeline will allow substitution of crude oil burned in the Purchasing Countries power plants for cleaner and cheaper gas, hence improving the overall balance of greenhouse gases, facilitating growth in the purchasing countries through access to cheaper energy, and creating an opportunity for the four countries to work together.

A USAID funded Technical Assistance IQC Task Order # 807, in the amount of \$1,420 M (Phase I), was awarded to Bechtel Consulting in September 1999, to assist the States in the negotiation of the WAGP Concession Agreement with the Pipeline developers. The Task Order # 807 was further extended to September 30th 2002, for an additional amount of \$2.230 M (Phase II). The contract was at that time assigned to Bechtel’s affiliate Nexant Ltd.

The objectives of the Technical Assistance are to enhance the Project Implementation Committee (PIC) and ministerial Steering Committee (SC) understanding of the major technical issues, economic impacts, and the terms and conditions of the Pipeline Concession Agreement, facilitate the resolution of various technical and operational differences between the States in the process of harmonizing the project-related rules and regulations, as well as strengthen their capacity to negotiate a Build-Own-Operate Concession Agreement (BOO-CA) with the private developer, and create a multi-nation enabling environment needed to develop and administer a commercially built and operated cross-border gas pipeline.

Although the Technical Assistance program is closely defined in the TO 807, it is subject to the USAID / ECOWAS Memorandum of Understanding (MOU) executed by the Parties on August 11, 1999, and its further extensions. The Program should

also be regularly adapted to meet the countries needs on the Project in accordance with the requests made by the PIC and the Steering Committee that are approved by USAID / Ghana.

1.2 Annual Work Program, October 1st, 2001 to September 30th, 2002, as implemented

The attached bar-charts "Technical Assistance Programs as Implemented" for the years 2001 and 2002 refer.

During the concerned period, the Technical Assistance focused on the following tasks, translated into meetings and workshops retraced on the attached bar charts:

Studies Implementations

- PIC Meeting in Lome, Nov 6 to 9, 2001: the meeting resulted in the approval of the Institutional Framework of the West Africa Gas Pipeline Authority (WAGPA) presented by the Contractor, and of the Country Assessment Program proposed by Contractor on the Gas Market Promotion Strategies (GMPS) Study.
- Gas Market Assessment Visits in Benin, Togo and Ghana, Nov 1st to Dec 10, 2001: potential gas market assessment in the Purchasing Country, with a view to preparing the Gas Market Promotion Strategy Study.
- PIC Meeting in Lome, July 8 & 9, 2002: the Gas Market Promotion Strategy Study final draft (English version) was transmitted to the PIC.

Assistance to PIC and Ministerial Steering Committee (MSC) at Meetings with the Commercial Group

- MSC Meeting in Houston, May 9 & 10, 2002: the meeting resulted in a revision of the Commercial Group working method in the sense of better management and faster implementation.
- PIC Meeting in London, May 28 to 31, 2002: the meeting resulted in a saving of 8 months on the Project Time Schedule
- Meeting in Abuja, June 13 & 14, 2002: the meeting resulted in an additional saving of 6 months on the Project Time Schedule.
- PIC Meeting in Lome, July 8 & 9, 2002: the meeting resulted in the approval of the new Concession Agreement Structure; also, the Gas Market Promotion Strategy Study final draft (English version) was transmitted to the PIC.
- PIC Meeting in Cotonou, September 2 to 6, 2002: the meeting began by a two days On-Job-Training to prepare the PIC and governmental lawyers to the negotiations with the CG. The subsequent meeting with the CG resulted in a new version of the Project Documents, and in the approval in principle of the WAGP Authority budgets.

Assistance to the Health, Safety & Environment Working Group

- Technical Meeting within the PIC Meeting in Lome, Nov 6 to 9, 2001: the meeting resulted in the approval of the Project Standard Codes and reviewed the approval process in the interim period, pending the execution of the Concession Agreement.
- HSE Meeting in Lome, July 10 to 12, 2002: overall review of EIA drafting procedure in view of EIA initiation immediately after Preliminary Commercial Evaluation

1.3 Technical Assistance Implementation

Tasks

The tasks implemented during the periods were performed according to the planned Work Plan, with the following changes:

- Delay of the tasks pertaining to the drafting and negotiation of the Concession Agreement
- Addition of the Advisory Briefing Paper on the Clean Development Mechanisms as issued from the Kyoto Protocol

Management & Administration

The Concession Agreement Administrative Body Study, the Gas Market Promotion Strategy Study and the Kyoto Protocol Clean Mechanism required the addition of new Nexant staff to the Technical Assistance Team. The following staff joined the Team:

- Thea Khitarishvili, senior International Lawyer (Concession Agreement & Administrative Body Study)
- Neal Richardson, senior Trade, Finance & Development (Gas Market Study)
- Felix Ekundayo, Economist, mid-level, (Gas Market Study)
- Michael Philips senior Trade, Finance & Development (Clean Development Mechanisms)
- J. Paul Moscarella, senior Trade, Finance & Development (Clean Development Mechanisms)
- Philip Doyle, Economist, mid-level, (Clean Development Mechanisms)

Furthermore, Mr. James Streeter, HSE Expert for Nexant and the Project since the Project inception, left Nexant for a specifically focused environmental firm and was replaced by Ms Safina Jivraj.

1.4 Deliverables

The Technical Assistance program (the Program) was initiated at the beginning of the year 2000 and pursued in two phases, as follows:

First phase (Oct 1999 - Dec 2000): assist the States in the preparation and negotiation of the Concession Agreement with the private consortium of developers.

Efforts of the Technical Assistance (TA) during the year 2000 resulted in:

- a) Establishment, training and capacity building of a 50-member States Negotiating Team & Support, headed by the PIC and split in 4 "working groups" (Financial & Fiscal, Technical & Trade, HSE, Legal & Regulatory). A total of 21 workshop days involving up to 12 Nexant experts were planned and implemented in the process. Also, equipment for the dissemination of information, such as computers with Internet access and photocopiers were made permanently available to the PIC members.
- b) Planning and implementing a total of 9 Workshops and Negotiating sessions ending in the initialling of a Concession Agreement Term Sheet (CATS) setting forth the main terms of the Concession Agreement between the States and the Pipeline Developer (also referred to as the "Developer" or "the Commercial Group"). Environmental workshops were also planned and conducted with an aim at harmonizing the environmental rules and regulations prior to initiating the EIA.

Second phase (January 2001- September 2002): pursue assistance to the States and ECOWAS Secretariat in the preparation of the Concession Agreement.

The following results were achieved:

- c) Assistance to the States, the ECOWAS Secretariat and the Ghana Government in the Ghana Gas Sale Agreement, for matters regarding the States: the Takoradi Gas Sale Term Sheet & LOI was signed by the Volta River Authority and approved by the Ghana Government early 2002; the other Commercial Agreements Term Sheets (Shareholders Agreement, Interconnecting Agreement with the Escravos-Lagos Pipeline System, ELPS) were executed early August 2002, allowing completion and approval of the Preliminary Commercial Evaluation (PCE) by the Sponsors' Management Committee. Contractor did not have a direct mission of assistance on these Agreements, which are of confidential nature. Contractor's mission was limited to help the States understand how these contracts are positioned in the Project.

Deliverables:

- Advisory Briefing Papers
- d) During that Phase, Contractor assisted the Ministerial Steering Committee and the PIC in the conduct of the Project at all meetings with the Developer. Such assistance allowed the States to reduce the timeframe allocated to the

completion of the Project by 14 months as compared to the original time schedule proposed by the Developer.

Deliverables:

- Minutes of Ministerial Steering Committee and Project Implementation Committee Meetings
- e) Design of the Concession Agreement Administrative Body institutional framework: the task was completed and the resulting document, entitled "West Africa Gas Pipeline Authority (WAGPA) Institutional Framework", was submitted and approved by the PIC in November 2001. The PIC is now seeking for the Developer's agreement on the proposed scheme. The document is to be later incorporated into the Concession Agreement.

Deliverable:

- West Africa Gas Pipeline Authority Institutional Framework Recommendation
- f) Elaboration of country strategies for the promotion and the regulation of the gas market: the Gas Market Promotion Strategy (GMPS) Study outlines were discussed with the PIC during the first semester of 2001. Discussions resulted in the issuance of the GMPS "Terms of Reference" by the PIC. Further, the TA issued a formal Study Proposal, which was approved by the PIC. The implementation of the GMPS study began with the Assessment Visits to the three Purchasing Countries (Benin, Togo and Ghana) in November and December 2001. The Study was completed by Nexant in July 2002 and submitted to the PIC, the ECOWAS Secretariat and the Developer. The Study, which suggests reviewing the CA Tariff structure for the benefit of the industrial customers and the whole Project, is to be discussed between the States and the Developer.

Deliverable:

- Gas Marketing Promotion Strategy Study Report
- g) Assistance to the Health-Safety-Environment States team in the preparation of the EIA: the Terms of Reference and Scoping of the Environmental Impact Assessment were completed during three workshops organized in February 01, September 01 and July 02, with the participation of the States HSE team and the Developer. Furthermore, Nexant prepared, at the request of the Chairman of the Steering Committee, a paper on the Clean Development Mechanisms to enhance the States knowledge on the Carbon Credits exchanges as per the Kyoto Protocol, in view of possibly benefiting from credits to help finance the States share in the project equity.

Deliverables:

- EIA Terms of Reference, Format & Scoping

- Kyoto Protocol Clean Development Mechanisms Paper
- h) Assistance in drafting and negotiation of the Concession Agreement from the Concession Agreement Term Sheet: this task was initiated in July 02 and was pursued in August and September through Legal & Fiscal workshops and a negotiation meeting involving the PIC. The Concession Agreement translated into three different sorts of documents: the International Project Agreement (IPA), the Treaty and the national Enabling Legislations. Such structure, proposed by the Commercial Group, had been anticipated by the Contractor as early as mid 2000, and was accepted by the States. The completion of these documents is scheduled at the end of the year 2002 as part of Stage B of the Project Definitional Phase initiated following the successful completion of the Preliminary Commercial Evaluation by the Developer.

Deliverables:

- Draft IPA & Legislative Outlines
- Draft Treaty

1.5 Project Performance Monitoring & Evaluation Plan / Result

Based on the indicators retained for the WAGP Technical Assistance Performance Monitoring Plan, the results of the Technical Assistance Program can be evaluated as follows:

1) Number of Technical Workshops & Specialist Roundtables:

a. Number of major gas pipeline topic & issues covered (planned vs. actual)

All topic & issues planned were covered, to a various degree of completion in accordance with the general progress of the Project:

- Train, build capacity and assist the States in the negotiation of the Concession Agreement
- Design the structure and operating mode of the Concession Agreement Administrative Body
- Proceed with the Gas Market Promotion Strategies Study
- Assist the States in the preparation and review of the Front End Engineering and Design, the Environmental Impact Assessment and the WAGP Regulations, and the Pipeline Development Plan
- Assist the States and the ECOWAS Secretariat in the monitoring of the Project

Indicator: 5/5

b. Indicate number of agencies/departments or Ministries from each country at each event (number of invitee organizations vs number actually represented at each event)

All invited organizations attended the 8 meetings to which they were invited:

Indicator: 8/8

- c. Indicate number of persons attending from each country and their affiliations (list PIC and MSC members separately for each event)

The attached "States Negotiation Team" worksheet indicates the attendance to the meetings planned with the support of the USAID funding. Numbers of meetings attended by each States Team member is in parentheses, the second parenthesis corresponding to the year subject to this report. The reference for the indicator below is the total number of attendances, had every States Team member attended

Indicator: 108/131

- d. Number of regional (ECOWAS and or others as may be applicable) representatives at each event.

One ECOWAS representative attended every meeting. A second one attended at Ministerial Steering Committee meetings.

Indicator: 10/10

- e. Number of indigenous technical support staff (Working Group Members) now capable of conducting negotiations in the Fiscal & Financial, Technical & Trade, Health, Safety & Environment and Legal and Regulatory areas.

- PIC members & ECOWAS Secretariat: 7 persons (planned: 9)
- Legal & Regulatory Working Group: 4 persons (planned: 4)
- Fiscal Working Group: 4 persons (planned: 5)
- Environmental Working Group: 8 persons (planned: 8)
- Permitting Group: 4 persons (planned: 4)
- Tariffs Working Group: 3 persons (planned: 5)
- Technical & Trade: 0 persons (planned: 0)
- Regional Integration: 0 persons (planned: 0)
- Finance Working Group: 0 persons (planned: 0)

Indicator: 30/35

Notes:

- i. The above last three groups were not mobilized during the subject year, as neither the requirements of the negotiation, in the opinion of the Contractor, nor the PIC requested their presence.
- ii. The Tariff Group was not mobilized during the subject year as mainly composed of Ghana PURC staff, who were briefed directly by the PIC Chairman.

2) Number of improved policies, technical standards, environmental rules, fiscal regime or tariff agreements reached or harmonized by the four countries.

- WAGPA Institutional Frame work (recommendation stage)
- National Gas Market structuring (recommendation stage)
- National Gas Market regulation (principles, recommendation stage)
- BOO-CA Project Management
- Concession Agreement Structure
- International Project Agreement (Draft)
- International Treaty (Draft)
- Enabling Legislation (Outlines, Draft)
- Technical Standards & Codes, Gas Pipeline Design and Operation
- Environmental Impact Assessment Terms of Reference, Scoping and Format
- Access Code (Principles, Draft)
- Pipeline Regulations: not yet drafted due to delay of Project

Indicator: 11/12

3) Number of advisory briefing papers or negotiation papers that the Technical Assistance Team developed for and/or the PIC/MSC were able to develop with respect to the Draft Term Sheet issues, after the workshops, training and technical assistance support provided.

3.1 To the PIC, by Contractor: a total of 32 various documents were produced

- Minutes of Meetings & Aide-Mémoires, English language: 10, all translated in French
- Presentations: 3
- Advisory Briefing Papers: 8, including 4 translated in French
- Other working documents: 4
- Legal Documents: 1 Final, 3 Drafts
- Studies: 3

3.2 To ECOWAS, by Contractor: a total of 27 various documents were produced

- Mission Reports: 6
- Status Reports: 6
- Quarterly Reports: 4
- Minutes of Meetings: 3
- Advisory Briefing Papers: 2
- Presentations: 1
- Project Management correspondance: 3
- Official Addresses: 2
-

3.3 By States Team:

- Fiscal working documents: 2

All above documents attached in the Annual Report

4) **Signing of the Concession Agreement Term Sheet or Concession Agreement draft revisions between four countries and the Commercial Project Developer Group.**

- Signing of Concession Agreement documents delayed as negotiation was delayed, pending agreement on the Commercial Agreements Term Sheets

5) **Number of other regional energy/regulatory initiatives begun or facilitated by the technical assistance support to the WAGP.**

- Intervention of ECOWAS Executive Secretary towards the President of Nigeria following information on Project development and briefing on “stumbling blocks” by the Technical Assistance Coordinator.
- Assistance to ECOWAS Secretariat at the first NEPAD Energy Commission
- Assistance to ECOWAS Secretariat at the third Power Poll PIC meeting
- Economic analysis paper on extension of the West Africa Gas Pipeline to Senegal, following request made to the ECOWAS Executive Secretary by the Senegal President

Indicator: 4 requested, 4 delivered

6) **Number of other Donors and/or /MDB that USAID has been able attract to WAGP (to show leveraging of USAID funding).**

The French Government might be interested in funding initiatives concerning the national gas markets development. The Director of Cooperation requested a copy of our GMPS Study Report

1.6 Problems Encountered, Resolution & Impact on the T.A. Program

- **Delay in the Drafting and Negotiation of the Concession Agreement, pending the resolution of Commercial Agreements Term Sheets**

Since the beginning of 2001 and until the Preliminary Commercial Evaluation (PCE) was completed by the CG in August 2002, the Concession Agreement negotiations could not be processed, as the CA drafting required the results of the negotiations of the Commercial Agreements involving Ghana. The mission of the Technical Assistance in this period was to help the States monitor the evolution of the Project in order to protect their interests and the interest of the Project. Special briefings at the ECOWAS Secretariat executive level led to interventions to the highest level in Nigeria that made the Project move forward.

Also, during the same period, Contractor proceeded with the completion of the two Studies (WAGP Authority Institutional Framework & Gas Market Promotion Strategies) and the Advisory Briefing Paper on Clean Development Mechanisms issued from the Kyoto Protocol

- Concession Agreement became three Documents

The tasks pertaining to the drafting of the Concession Agreement resumed in June 2002, a few weeks ahead of the date of the PCE. The Concession Agreement was translated into three sets of documents: the International Project Agreement, the International Treaty and the Enabling Legislation. Contractor had recommended such a disposition as early as mid-2000, but the Commercial Group had declined at the time.

To catch on time and attempt to meet the tight Project schedule as resulted from the Steering Committee meeting of June 14th, Contractor intervened in the drafting to help the States Lawyers modify the original draft and obtain a balanced wording, more in line with the States interests. On-Job-Training sessions were organized before every meeting to prepare the States Team for the ensuing negotiations.

II. Budget Implementation

Attached table "Expenditures at September 30,2002 & Possible Extensions" refer.

On September 30,2002, the Technical Assistance had spent a total of \$3,529,066 since the inception of the Project, including \$3,408,066 billed. The unused funds were \$120,791, out of a \$3,649,857 initially authorized.

The split of the expenditure was 65% for Technical Specialist labor (against 63.3% in the authorization), and 35% for ODC (against 36.7%)

A three months "No-cost" Contract Modification was signed on October 1st, extending until December 31st. Contractor shall further address a request for adjustment of monies between Labor and ODC within the above \$120,791 remaining on September 30.

Several scenarios were thought of for possible contract extensions. The "Three Months" and the "Fifteen Months" Extension account summaries are presented in the above table. More complete documentation on these two scenarios, including Work Programs and Budgets are presented in the next section of this report.

III. Projected Technical Assistance Work Program

2.1 WAGP Project Development Schedule

USAID is expected to pursuing, through the Phase II of the Program, its efforts to help the States and the ECOWAS Secretariat build the administrative, commercial and regulatory enabling environment to secure the actual development and the successful operating of the Pipeline.

The Preliminary Commercial Evaluation (PCE) process was completed and approved by the Sponsors Management Committee early August 2002. Therefore, the Project has now entered the Definitional Phase, Stage B, which is expected to end by the Developers' Final Investment Decision (FID) in December 2003, according to the Project Schedule discussed and approved by the States and the CG at the last Steering Committee Meeting in Abuja on June 14, 2002:

The Definitional Phase, Stage B of the Project will comprise the following tasks:

- Finalize the full terms of the Concession Agreement which has now evolved into three documents: the International Project Agreement (IPA), the International Treaty and the Enabling Legislations (States and CG)
- Establish WAPCo (CG)
- Execute the IPA (Steering Committee and SMC), Sign the Treaty (Heads of States) and Ratify the Treaty (wherever applicable) and pass the Enabling Legislations in the related (States Parliaments)
- Finalize the full terms of the Commercial Agreements: Gas Purchase Agreements (GPA) between the Gas Sellers and N-Gas, Gas Sales Agreements (GSA) between N-Gas and the Foundation Customers (VRA and CEB), Gas Transportation Agreements (GTA) between WAPCo and N-Gas, the Interconnecting Agreement with the ELP System between WAPCo and NNPC, and the Shareholders Agreement between the Project Sponsors (CG).
- Establish the Administrative Body (the WAGP Authority), at least under an Interim form (States)
- Implement Gas promotion Marketing Strategies in the Purchasing Countries (States)
- Establish or consolidate a gas sector Regulatory Authority and National Gas Regulations in each of the Purchasing Countries (States)
- Draft and approve the Pipeline Front End Engineering and Design (FEED) (CG)
- Draft & approve the WAGP Regulations (CG & States)
- Draft & approve the Environmental Impact Assessment (EIA) and the Environmental Management Plan (EMP) (CG & States)
- Consult with the stakeholders within the EIA (CG & States)
- Draft, Review & approve the Pipeline Development Plan (CG & States)
- Initiate drafting of Access Code (PDP) (CG & States)
- Prepare, and issue the requests for proposals to construction contractors, and receive contractors proposals (CG)
- Finalize WAGP Tariffs (CG and States)

At the end of Stage B, the Final Investment Decision (FID) will be made as a precedent to the construction of the Pipeline.

2.2 Technical Assistance Work Program

Work Program for the period October 2002 – December 2003 / March 2004: help the States build the administrative, commercial and regulatory WAGP framework to prepare for a positive "Final Investment Decision" (re. Attached Bar Chart: the Work Program for the Three Months Extension is inserted into the overall work program, assuming the T.A. would further extend until end of 2003 or early 2004)

The USAID Contractor team will continue to be coordinated by the TAC based in Abuja. Nexant London & Washington offices will support the TAC, providing the technical and logistics resources needed for the achievement of the Technical Assistance objectives. The TAC will pursue his/her mission of daily advice to the ECOWAS Secretariat, and remain available to assist the PIC, the Steering Committee and the States in general on the Project.

The Program of the next Phase (Oct 02 to March 04) will focus on five major tasks and the production of one document, as follows:

2.2.1 Assist the States in the finalization and further ratification of the IPA, The Treaty and the Enabling Legislations, and advise the States (when requested) on the developments of the Commercial Agreements

- Planning and assisting in the drafting of the following Concession Agreement documents:
 1. International Project Agreement: to set forth commercial terms between the States and the Developer;
 2. Treaty between the four States of Benin, Ghana, Nigeria and Togo: to give legal base to the WAGPA Authority, address the tax revenue sharing between the States and create an institutional framework for the resolution of disputes between the States;
 3. Enabling Legislations in each of the four States, to give legal validity to the dispositions of above IPA in respect of national laws.
- Final negotiation and execution of the IPA by the SC & SMC
- Final negotiation & ratification of the Treaty and Enabling Legislations by the four countries Parliaments
- Assist the States at their requests, collectively and individually, in the finalization of the Commercial Agreements Term Sheets
- Review of the Developer's Shareholders Agreement and Approval of WAPCo structure

Deliverables:

- Advisory Briefing Papers and Minutes of Meetings in relation to the drafting and negotiation of the IPA, Treaty and Enabling Legislations.
- International Project Agreement, Treaty and Enabling Legislation.

2.2.2 Assist the States in incorporating Administrative Body (WAGPA) design and rules in IPA & Treaty, prepare and implement a Capacity Building Plan for the WAGPA

Based on the West African Gas Pipeline Authority (WAGPA) Institutional Framework document approved by the PIC, and as may be amended following negotiations with the CG: incorporate the framework in the Project governing documents, draft the WAGPA operating procedures and establish a training and capacity building plan for the WAGPA staff.

Deliverables:

- IPA, Treaty and Legislative Outlines in relation to the WAGPA
- Training and Capacity Building Plan (six month extension needed)
- WAGPA Manual of Operating Procedures (six month extension needed)

2.2.3 Finalize the GMPS Study with the PIC and the Stakeholders

- Ghana, Togo and Benin all need assistance to establish gas purchasing and distributing entities which will become clients to the WAGP, directly or through the gas Sellers. Current status of these companies is a weak point of the WAGP Project. The Project stakeholders – CG and ECOWAS – consider that consolidating the Foundation Market base in Ghana and secure Togo and Benin gas companies as Foundation Customers is essential to the Project. In particular, it is not until Togo and Benin will actually purchase gas that the Project will be considered as a truly Regional Project. Beyond, the addition of these two countries in the market base will contribute to substantially lower the cost of gas transportation in the early phase of the Pipeline operations.
- Beyond the cost factor, the issue of the Togo and Benin “laterals” are critical. Spurs need to be financed by their own related sales to secure harmony between the States.
- Therefore, Contractor will finalize, in close relation with the ECOWAS Secretariat and each individual State as well as collectively, the Gas Marketing Promotion Strategies (GMPS) Study to fit each country specific needs in terms of commercial, institutional and regulatory frameworks. The Study Report, submitted by USAID/Nexant early July 02, is in line with the Terms of Reference issued by the PIC and the Study Proposal made by Nexant to the PIC and approved by the PIC.
- In a second stage, Contractor will assist each of the Purchasing Countries in the implementation of the recommendations resulting from the GMPS study

Deliverables:

- Translation of the GMPS Study Draft Report in French language

- Gas Marketing Promotion Strategy Study Final Report (six month extension needed)
- GMPS Stakeholders Country Roundtables Report (six month extension needed)
- National Regulations philosophy (fifteen month extension)

2.2.4 Assist the States in the initiation of the WAGP Regulations and prepare a WAGP regulatory philosophy

- The IPA provides for the drafting and approval by the States of the WAGP Regulations that will, beyond the Treaty and Enabling Legislations, govern the activities of the WAGP. The Contractor will assist the States in the drafting and approval of the WAGP Regulations.
- The IGA provides for the possibility that the Administrative Body further acts as a regulatory authority. An extended reflection must be conducted to refine the role of the Administrative Body.
- The International Project Agreement still has openings as regards the way WAGP transportation tariffs and other aspects will evolve along the life of the concession. Such IPA involving four States is a first in many ways. Consequently, there is a need to pursue a reflection on the pertinence of the IPA as an instrument capable of securing harmonious relations between the States and WAPCo, versus the opportunity to enlarge the WAGPA responsibilities towards actual regulation.

Deliverables:

- IPA, Treaty & L.O. for what regards regulatory philosophy
- WAGP Regulations (one year extension needed)
- Access Code advanced versions (one year extension needed)

2.2.5 Assist in review and approval of the FEED, the EIA and the PDP

- Following the Preliminary Commercial Evaluation (PCE), the Commercial Group initiated the Front End Engineering and Design, the next major technical step before the Final Investment Decision (FID) and the beginning of the construction of the Pipeline. States need technical support in the review of the Conceptual Package and more generally in reviewing and approving the Pipeline Development Plan (PDP), which will include the FEED, the EIA and the EMP. Contractor will provide assistance in this respect.
- The States "HSE" team needs technical and coordination support in its undertaking to participate in the drafting of the Environmental Impact Assessment (EIA) and the subsequent Environmental Management Plan (EMP) with the Commercial Group. The Program will provide for assistance to help the States meet their objectives.
- The Technical Assistance will extend to the Project works in these domains to be performed between October and January.

Deliverables:

- Conceptual Package (six month extension needed)
- Pipeline Capacity Building work plan (six month extension needed)
- EIA successive versions (fifteen month extension)
- Tariff Methodology application briefing papers (fifteen month extension)
- PDP successive versions (fifteen month extension)

2.2.6 Produce a “WAGP Brochure”

- Produce a WAGP Brochure on the basis of USAID / PIC / ECOWAS terms of reference to be discussed

Deliverables:

- WAGP Brochure (six month extension)

2.3 Proposed Budgets

Budgets were proposed reflecting the work programs related to the three months and fifteen months extensions, respectively. They are hereby presented in the TO 807 contractual form.

These budgets assume that the following sums, pertaining to previous phases, will be carried forward:

1. A total of 36 unbilled days from the category Workshop/Admin @ \$458/day representing a sum of \$16.2K pertaining to the “base” option, will be carried forward to the period contemplated in the Extension.
2. A correction regarding the rate of F. Njoaguani over both phases of the project will reinsert a total of \$14.7K in the Budget.
3. The saving of \$120,000 or about, saved at the end of the current contractual period (Sept 30, 2002) following program slippage, will be reincorporated into the next period.

Beyond the savings of the previous phases as described above, the budgets provides for additional sums of \$163,000 (three month extension) and \$1,200,000 (fifteen month extension) to be mobilized, to meet the Project objectives in terms of Technical Assistance and Capacity Building events as described in the respective periods of the Work Program.

Technical Assistance: the Work Program and Budget provide for making available the highly qualified experts already involved in the Project, for a comprehensive technical assistance to meet the States needs in relation to the Project requirements.

Workshops (providing funding for Government delegates logistics): the Budgets provides for the planning, implementation and funding of Workshops for twelve-each delegates and National Roundtables as indicated in the Work Program.

The proportions of ODC in the proposed budgets are comparable to those incurred during the preceding Phase, although slightly lower (33%) due to the fact that the Developer now pays for the support of the negotiation meetings. The proportion of CCN in terms of cost is approximately 17%.

2.4 Section Attachments (next pages)

- Work Program October 2002 - March 2004
- Three Month Extension Budget
- Fifteen Month Extension Budget

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DELIVERABLES

1. Work with the PIC

- Minutes of Meetings and Aide-Memoires
- Advisory Briefing Papers
- Presentations
- Legal Documents
- Working documents

2. Work with the ECOWAS Secretariat

- Mission Reports
- Status Reports
- Quarterly Reports
- Minutes of Meetings
- Advisory Briefing Papers
- Presentations
- Addresses

3. IPA, Treaty & Enabling Legislation

- Draft IPA & Legislative Outlines
- Draft Treaty

4. Studies

- WAGP Authority Institutional Framework
- Clean Development Mechanisms
- Gas Market Development Strategies

WAGP - TO 807 Phase 2		OPPORTUNITY OF CONTRACT EXTENSION - TECHNICAL ASSISTANCE PROGRAM - June 02 to June 04 - Revision 0																						
		FIFTEEN MONTHS EXTENSION																		6 MORE				
TASKS & MEETINGS		JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	
PROJECT GENERAL PROGRAM		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Project Development Main Plans		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Concession Agreement		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Administrative Body		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Gas Market Strategies		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Health, Safety & Environment		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Commercial Agreements (CG)		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. FEED (CG)		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Finalize Tariffs		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
CA DRAFTING & NEGOTIATIONS		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Coordination Meetings w/ CG		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Drafting Workshop, Legal / Fiscal / HSE		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. OJT / Nego Meeting, PIC		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Drafting Workshop, Legal / Fiscal / HSE		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. OJT / Nego Meeting, PIC		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Sign CA		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Ratify CA		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
CA MANAGEMENT		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Nego / CG Admin Body Design		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Admin Body Capacity Building		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Admin Body Training Workshops		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Approve final Tariffs		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Approve Final Proj. Dev. Plan (PDP)		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
GAS MARKET STRATEGY		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Study Report		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Co-ordination Workshops		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Assist Countries Implement Policies		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
ASSISTANCE TO HSE GROUP		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. EIA Preliminary Drafting		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Drafting EIA Initial Complete		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Review EIA Initial Complete		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Drafting EIA Draft # 2 (if necessary)		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Review EIA Draft # 2 (if necessary)		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. EIA Review/Stakeholders Input		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. EIA Review Meetings with CG		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
REGULATION		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. WAGP Regulation		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. PURC Review		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
. Benin & Togo National Regul Caps Building		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				
TASKS & MEETINGS		JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	
PROJECT GENERAL PROGRAM		STAGE A			DEFINITIONAL PHASE STAGE B1									DEFINITIONAL PHASE STAGE B2						CONSTRUCTION PHASE				

Base Period Rates

Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost
Utilities Specialist	03 / Senior	\$ 979.00	262.5	\$ 256,988
Kurt Lindahl				\$ -
Alain Rosier				\$ -
Task Coordinator	07 / Mid	\$ 805.00	50.3125	\$ 40,502
Matthew Addison				\$ -
Vijayan Kannan				\$ -
Workshop/ Admin	14 / Mid	\$ 458.00	225.5	\$ 103,279
Kariss Plunkett				\$ -
A. Jesani				\$ -
R. Murray				\$ -
Trade, Finance & Dev.	07 / Senior	\$ 1,054.00	310.625	\$ 327,399
G. Hartnell				\$ -
J. Briggs				\$ -
M. Romieu				\$ -
R. Borgstrom				\$ -
R. Ogunsulire				\$ -
P. Daniel				\$ -
Economist	06 / Senior	\$ 874.00	75.875	\$ 66,315
M. Ouki				\$ -
Engineering	04 / Senior	\$ 908.00	52.5	\$ 47,670
M. Stockbridge				\$ -
J. Straeter				\$ -
D. Holland				\$ -
Legal / Regulatory	02 / Senior	\$ 1,271.00	60	\$ 76,260
D. Stickley				\$ -
Workshop/ Admin	CCn 14/Sr.	\$ 238.37	184	\$ 43,860
F. Njoaguani				\$ -
Translator / Tech. CCN	CCN 14/Sr.	\$ 388.65		\$ -
E.M. Dada		\$ 388.65	32.85	\$ 12,767
C.N. Ifeadi		\$ 518.20	9	\$ 4,664
G. Eke		\$ 518.20	16	\$ 8,291
H. Baiyoshea		\$ 155.50	14	\$ 2,177
Logistics CCN		\$ 220.24	41	\$ 9,030
L. Amisshah				\$ -
Workshop/ Admin	CCn 14/Sr.	\$ 93.28	147	\$ 13,712
Hussaina Abu				\$ -
F. Namero				\$ -
			1481.2	\$ 1,012,913

Requested Changes for Modification

Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)
Utilities Specialist	03 / Senior	\$ 979.00	262.5	\$ 256,988	-	\$ -
Kurt Lindahl				\$ -	-	\$ -
Alain Rosier				\$ -	-	\$ -
Task Coordinator	07 / Mid	\$ 805.00	50.3	\$ 40,502	-	\$ -
Matthew Addison				\$ -	-	\$ -
Vijayan Kannan				\$ -	-	\$ -
Workshop/ Admin	14 / Mid	\$ 458.00	190.1	\$ 87,077	35.38	\$ (16,202)
Kariss Plunkett				\$ -	-	\$ -
A. Jesani				\$ -	-	\$ -
R. Murray				\$ -	-	\$ -
Trade, Finance & Dev.	07 / Senior	\$ 1,054.00	310.6	\$ 327,399	-	\$ -
G. Hartnell				\$ -	-	\$ -
J. Briggs				\$ -	-	\$ -
M. Romieu				\$ -	-	\$ -
R. Borgstrom				\$ -	-	\$ -
R. Ogunsulire				\$ -	-	\$ -
P. Daniel				\$ -	-	\$ -
Economist	06 / Senior	\$ 874.00	75.9	\$ 66,315	-	\$ -
M. Ouki				\$ -	-	\$ -
Engineering	04 / Senior	\$ 908.00	52.5	\$ 47,670	-	\$ -
M. Stockbridge				\$ -	-	\$ -
J. Straeter				\$ -	-	\$ -
D. Holland				\$ -	-	\$ -
Legal / Regulatory	02 / Senior	\$ 1,271.00	60.0	\$ 76,260	-	\$ -
D. Stickley				\$ -	-	\$ -
Workshop/ Admin	CCn 14/Sr.	\$ 238.37	184.0	\$ 43,860	-	\$ -
F. Njoaguani				\$ -	-	\$ -
Translator / Tech. CCN	CCN 14/Sr.	\$ 388.65		\$ -	-	\$ -
E.M. Dada		\$ 388.65	32.9	\$ 12,767	-	\$ -
C.N. Ifeadi		\$ 518.20	9.0	\$ 4,664	-	\$ -
G. Eke		\$ 518.20	16.0	\$ 8,291	-	\$ -
H. Baiyoshea		\$ 155.50	14.0	\$ 2,177	-	\$ -
Logistics CCN		\$ 220.24	41.0	\$ 9,030	-	\$ -
L. Amisshah				\$ -	-	\$ -
Workshop/ Admin	CCn 14/Sr.	\$ 93.28	147.0	\$ 13,712	-	\$ -
Hussaina Abu				\$ -	-	\$ -
F. Namero				\$ -	-	\$ -
			1,445.8	\$ 998,711	35.38	\$ (16,202)

Option Period Rates

Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost
Utilities Specialist	17 / Senior	\$ 1,038.00	418	\$ 433,884
Alain Rosier				\$ -
Task Coordinator	21 / Mid	\$ 877.00	48	\$ 42,096
Matthew Addison				\$ -
Vijayan Kannan				\$ -
Workshop/ Admin	28 / Mid	\$ 493.00	76	\$ 37,468
Kariss Plunkett				\$ -
Anne Sullivan				\$ -

Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)
Utilities Specialist	17 / Senior	\$ 1,038.00	439.0	\$ 455,682	21	\$ 21,798
Alain Rosier				\$ -	-	\$ -
Task Coordinator	21 / Mid	\$ 877.00	39.0	\$ 34,203	-0	\$ (7,893)
Matthew Addison				\$ -	-	\$ -
Vijayan Kannan				\$ -	-	\$ -
Workshop/ Admin	28 / Mid	\$ 493.00	88.0	\$ 42,398	10	\$ 4,930
Kariss Plunkett				\$ -	-	\$ -
Anne Sullivan				\$ -	-	\$ -

Trade, Finance & Dev.	21 / Senior	\$ 1,120.00	165	\$	184,800
G. Hartnell				\$	-
J. Briggs				\$	-
M. Romieu				\$	-
R. Borgstrom				\$	-
R. Ogunsullre				\$	-
P. Daniel				\$	-
N. Richardson				\$	-
J. Stephens				\$	-
Economist	20/ Senior	\$ 938.00	113	\$	105,994
M. Ouki				\$	-
Economist	20 / Mid	\$ 692.00	99	\$	68,508
F. Ekundayo				\$	-
Engineering	18 / Senior	\$ 961.00	76	\$	73,036
M. Stockbridge				\$	-
J. Streeter				\$	-
D. Holland				\$	-
W. Cochran				\$	-
T. Simpson				\$	-
Legal / Regulatory	16 / Senior	\$ 1,383.00	134	\$	185,322
D. Stickley				\$	-
T. Khitarishvili				\$	-
Information Systems	27 / Mid	\$ 720.00	5	\$	3,600
A. Khola				\$	-
Workshop/ Admin	CCn 28/Sr.	\$ 239.84	395	\$	94,737
F. Njoaguani				\$	-
Amissah	CCn 28/Sr.	\$ 221.60	4	\$	886
Workshop/ Admin	CCn 28/Sr.	\$ 93.85	390	\$	36,602
Hussaina Abu				\$	-
Workshop/ Admin	CCn 28/Sr.	\$ 391.05	42	\$	16,424
Translator				\$	-
Driver / Office Logist.	CCn 28/Sr.	\$ 57.40	237	\$	13,604
Smart Akpali				\$	-
Total Option Period			2202	\$	1,296,961
Total (Base & Options Periods)			3683,163	\$	2,309,873
Total ODCs				\$	1,339,983
Revised Contract Total				\$	3,649,856

Trade, Finance & Dev.	21 / Senior	\$ 1,120.00	171.0	\$	191,520	6	\$	6,720
G. Hartnell				\$	-		\$	-
J. Briggs				\$	-		\$	-
R. Borgstrom				\$	-		\$	-
R. Ogunsullre				\$	-		\$	-
P. Daniel				\$	-		\$	-
N. Richardson				\$	-		\$	-
M. Philips				\$	-		\$	-
Economist	20/ Senior	\$ 938.00	79.0	\$	74,102	-34	\$	(31,892)
M. Ouki				\$	-		\$	-
E. Patriniche				\$	-		\$	-
Economist	20 / Mid	\$ 692.00	106.0	\$	73,352	7	\$	4,844
F. Ekundayo				\$	-		\$	-
Engineering	18 / Senior	\$ 961.00	76.0	\$	73,036	0	\$	-
M. Stockbridge				\$	-		\$	-
J. Streeter				\$	-		\$	-
D. Holland				\$	-		\$	-
T. Simpson				\$	-		\$	-
J.P. Moscarella				\$	-		\$	-
Legal / Regulatory	16 / Senior	\$ 1,383.00	184.0	\$	254,472	50	\$	69,150
D. Stickley				\$	-		\$	-
T. Khitarishvili				\$	-		\$	-
M. Romieu				\$	-		\$	-
Information Systems	27 / Mid	\$ 720.00	5.0	\$	3,600	0	\$	-
A. Khola				\$	-		\$	-
Workshop/ Admin	CCn 28/Sr.	\$ 239.84	428.0	\$	102,652	33	\$	7,915
F. Njoaguani				\$	-		\$	-
Amissah	CCn 28/Sr.	\$ 221.60	4.0	\$	886		\$	-
Workshop/ Admin	CCn 28/Sr.	\$ 93.85	441.0	\$	41,368	51	\$	4,766
Hussaina Abu				\$	-		\$	-
Workshop/ Admin	CCn 28/Sr.	\$ 391.05	57.0	\$	22,290	15	\$	5,866
Translator				\$	-		\$	-
Driver / Office Logist.	CCn 28/Sr.	\$ 57.40	297.0	\$	17,048	60	\$	3,444
Smart Akpali				\$	-		\$	-
Total Option Period			2,412.0	\$	1,386,628	210	\$	89,668
Total (Base & Options Periods)			3,857.8	\$	2,383,339	175	\$	73,466
Total ODCs				\$	1,266,517		\$	(73,466)
Revised Contract Total				\$	3,649,866	-	\$	0

SAVINGS FROM PHASE I

34 875 days saved in Workshop/Admin Category, i.e.
\$16.2K have been carried forward from base period to option period

SAVINGS FROM PHASE I + PHASE II

	LOE	ODC	TOT
SAVINGS PH I	16.2	0	16.2
SAVINGS PH II	-0.1	104.7	104.6
TOTAL SAVINGS	16.1	104.7	120.8
Period OCT-NOV 16	89.6	31.2	120.8
Contract Changes	73.6	-73.6	0

SAVINGS FROM PHASE II

	LOE	ODC/AIC	TOTAL
Billed @Sept LM to AR	2,260.7	1,194.3	3,455.0
Accrued Sept AR to LM	28.0	25.0	53.0
Total Lydla mail to Hetty 09-27	2,288.7	1,219.3	3,508.0
Addit. LOE exact calculation	1.0		1.0
Addit. Accrued Sept Cottonou		5.0	5.0
To bill Namero year 2000	4.1		4.1
Dontoh Seminar Aberdeen		11.0	11.0
Total spent @ 09-30	2,293.8	1,235.3	3,529.1
Total Contract last MOD	2,309.9	1,340.0	3,649.9
Remaining @ 09-30	-10.1	-104.7	-114.8

Estimated Balance at end of September

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Base Period Rates					Requested Changes for Modifications					LOW OPTION				MID OPTION				HIGH OPTION			
Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)		
Utilities Specialist	03 / Senior	\$ 979.00	282.5	\$ 279,980	Utilities Specialist	03 / Senior	\$ 979.00	282.5	\$ 279,980			282.5	\$ 279,980			282.5	\$ 279,980				
Task Coordinator	07 / Mid	\$ 805.00	60.3125	\$ 48,562	Task Coordinator	07 / Mid	\$ 805.00	60.3	\$ 48,562			60.3	\$ 48,562			60.3	\$ 48,562				
Workshop Admin	14 / Mid	\$ 456.00	226.5	\$ 103,279	Workshop Admin	14 / Mid	\$ 456.00	190.1	\$ 87,077	36.38	(\$ 16,202)	190.1	\$ 87,077	35.38	(\$ 16,202)	190.1	\$ 87,077	35.38	(\$ 16,202)		
Trade, Finance & Dev.	07 / Senior	\$ 1,064.00	310.025	\$ 327,589	Trade, Finance & Dev.	07 / Senior	\$ 1,064.00	310.6	\$ 327,399			310.6	\$ 327,399			310.6	\$ 327,399				
Economist	06 / Senior	\$ 874.00	76.075	\$ 66,516	Economist	06 / Senior	\$ 874.00	76.9	\$ 66,515			76.9	\$ 66,515			76.9	\$ 66,515				
Engineering	04 / Senior	\$ 909.00	52.5	\$ 47,570	Engineering	04 / Senior	\$ 909.00	52.5	\$ 47,570			52.5	\$ 47,570			52.5	\$ 47,570				
Legal / Regulatory	02 / Senior	\$ 1,271.00	60	\$ 76,260	Legal / Regulatory	02 / Senior	\$ 1,271.00	60.0	\$ 76,260			60.0	\$ 76,260			60.0	\$ 76,260				
Workshop Admin	CCN 14/G	\$ 230.37	104	\$ 43,860	Workshop Admin	CCN 14/G	\$ 230.37	104.0	\$ 43,860			104.0	\$ 43,860			104.0	\$ 43,860				
Translator / Tech. CCN	CCN 14/G	\$ 366.65	32.95	\$ 12,067	Translator / Tech. CCN	CCN 14/G	\$ 366.65	32.9	\$ 12,067			32.9	\$ 12,067			32.9	\$ 12,067				
Logistics CCN	CCN 14/G	\$ 220.24	41	\$ 9,030	Logistics CCN	CCN 14/G	\$ 220.24	41.0	\$ 9,030			41.0	\$ 9,030			41.0	\$ 9,030				
Workshop Admin	CCN 14/G	\$ 93.29	147	\$ 13,712	Workshop Admin	CCN 14/G	\$ 93.29	147.0	\$ 13,712			147.0	\$ 13,712			147.0	\$ 13,712				
			1491.2	\$ 1,432,713				1491.2	\$ 1,432,713	36.38	(\$ 16,202)	1454.8	\$ 1,416,511	35.38	(\$ 16,202)	1449.8	\$ 1,400,309	35.38	(\$ 16,202)		

Option Period Rates					Requested Changes for Modifications					LOW OPTION				MID OPTION				HIGH OPTION			
Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Functional Labor Category	Labor Cat. / Level	Fixed Burdened Daily Rate	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)	Staff Days	Total Cost	Request - Mod (Net Change) (Staff Days)	Request - Mod (Net Change) (Cost)		
Utilities Specialist	11 / Senior	\$ 1,039.00	418	\$ 433,264	Utilities Specialist	11 / Senior	\$ 1,039.00	759.0	\$ 786,004	340	\$ 352,920	759.0	\$ 786,004	340	\$ 352,920	810.0	\$ 849,004	400	\$ 410,200		
Task Coordinator	21 / Mid	\$ 877.00	48	\$ 42,096	Task Coordinator	21 / Mid	\$ 877.00	79.0	\$ 69,406	30	\$ 26,310	79.0	\$ 69,406	30	\$ 26,310	94.0	\$ 82,616	36	\$ 31,512		
Workshop Admin	20 / Mid	\$ 493.00	76	\$ 37,468	Workshop Admin	20 / Mid	\$ 493.00	141.5	\$ 69,766	66	\$ 32,792	141.5	\$ 69,766	66	\$ 32,792	146.0	\$ 72,226	71	\$ 34,767		
Trade, Finance & Dev.	21 / Senior	\$ 1,120.00	165	\$ 184,800	Trade, Finance & Dev.	21 / Senior	\$ 1,120.00	215.0	\$ 240,800	60	\$ 67,000	230.0	\$ 257,800	60	\$ 67,000	230.0	\$ 257,800	70	\$ 78,400		
Economist	20 / Senior	\$ 930.00	113	\$ 105,390	Economist	20 / Senior	\$ 930.00	90.0	\$ 83,700	-23	(\$ 21,690)	100.0	\$ 92,700	-13	(\$ 12,190)	103.0	\$ 95,610	-10	(\$ 9,240)		
Economist	20 / Mid	\$ 692.00	59	\$ 40,828	Economist	20 / Mid	\$ 692.00	144.0	\$ 99,728	33	\$ 22,820	180.0	\$ 124,548	61	\$ 42,212	170.0	\$ 117,640	71	\$ 49,132		
Engineering	16 / Senior	\$ 951.00	78	\$ 74,178	Engineering	16 / Senior	\$ 951.00	117.0	\$ 111,267	41	\$ 39,091	123.0	\$ 117,203	47	\$ 44,617	126.0	\$ 120,006	62	\$ 59,012		

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D. Holland	\$			D. Holland	\$													
W. Cochran	\$			J. Simpson	\$													
Y. Simpson	\$			J.P. Maccoroda	\$													
Legal / Regulatory 16 / Senior	\$ 1,363.00	134	\$ 185,322	Legal / Regulatory 16 / Senior	\$ 1,283.00	188.0	\$ 271,088	62	\$ 86,748	232.0	\$ 322,239	99	\$ 138,917	240.0	\$ 331,920	105	\$ 148,839	
D. Silchey	\$			D. Siddiquy	\$													
T. Kikardzwick	\$			T. Kikardzwick	\$													
Information Systems 27 / Mid	\$ 720.00	6	\$ 3,600	Information Systems 27 / Mid	\$ 720.00	20.0	\$ 14,400	16	\$ 16,800	20.0	\$ 14,400	16	\$ 10,800	23.0	\$ 18,860	18	\$ 12,960	
A. Khoro	\$			A. Khoro	\$													
Workshop Admin CCn 28/Sr.	\$ 239.84	395	\$ 94,737	Workshop Admin CCn 28/Sr.	\$ 239.84	583.0	\$ 163,091	285	\$ 88,364	690.0	\$ 163,091	285	\$ 88,364	740.0	\$ 177,692	346	\$ 82,740	
F. Njougues	\$			F. Njougues	\$													
Workshop Admin CCn 28/Sr.	\$ 221.60	4	\$ 886	Workshop Admin CCn 28/Sr.	\$ 221.60	4.0	\$ 886			4.0	\$ 886			4.0	\$ 886			
M. Sidiq	\$			M. Sidiq	\$													
Workshop Admin CCn 28/Sr.	\$ 93.85	390	\$ 35,502	Workshop Admin CCn 28/Sr.	\$ 93.85	578.0	\$ 53,349	285	\$ 26,747	678.0	\$ 62,249	285	\$ 26,747	735.0	\$ 68,350	345	\$ 31,375	
M. Sidiq	\$			M. Sidiq	\$													
Workshop Admin CCn 28/Sr.	\$ 391.05	42	\$ 16,424	Workshop Admin CCn 28/Sr.	\$ 391.05	82.0	\$ 32,066	40	\$ 15,642	92.0	\$ 36,277	80	\$ 19,663	101.0	\$ 39,499	89	\$ 23,072	
M. Sidiq	\$			M. Sidiq	\$													
Workshop Admin CCn 28/Sr.	\$ 67.40	237	\$ 13,604	Workshop Admin CCn 28/Sr.	\$ 67.40	622.0	\$ 29,983	285	\$ 18,368	622.0	\$ 28,863	285	\$ 18,368	682.0	\$ 33,407	340	\$ 18,263	
M. Sidiq	\$			M. Sidiq	\$													
Workshop Admin CCn 28/Sr.	\$			Workshop Admin CCn 28/Sr.	\$													
Total Option Period	\$	3793	\$ 1,330,961	Total Option Period	\$	3,039.5	\$ 2,013,258	1,591	\$ 739,287	3,816.5	\$ 2,225,197	1,815	\$ 839,237	4,119.5	\$ 2,316,758	1,903	\$ 867,368	
Total (Base & Option Periods)	\$	3683,103	\$ 2,329,373	Total (Base & Option Periods)	\$	5,148.3	\$ 3,021,950	1,465	\$ 719,955	5,192.3	\$ 3,211,808	1,579	\$ 822,933	5,255.3	\$ 3,280,828	1,877	\$ 921,897	
Total ODCs	\$		\$ 1,330,963	Total ODCs	\$		\$ 1,077,983		\$ 338,030		\$ 1,717,963		\$ 378,000		\$ 1,788,993		\$ 448,000	
Revised Contract Total	\$		\$ 3,660,336	Revised Contract Total	\$		\$ 4,099,942		\$ 1,056,085		\$ 4,869,891		\$ 1,208,033		\$ 5,048,283		\$ 1,408,607	

ODC	LOW	MID	HIGH	SAVINGS FROM PHASE II	LOW	ODC/AC	TOTAL	SAVINGS FROM PHASE I
Workshop Admin	187	192	231	Workshop Admin	2,092.6	1,163.3	3,255.9	34,976 days saved in Workshop Admin Category, i.e. \$16.7K have been claimed in above base option MOD
Office	27	22	27	Accd July	37.6	29.0	66.6	
AR Accommod	70	70	84	Edon August	60.0	29.0	89.0	
AR Travel	75	20	28	Edon Sept	70.0	44.0	114.0	
AR LR	90	43	40	Total Savings	2,260.6	1,274.2	3,534.8	
Spec. Office London / Wash	20	20	26	Total Contract	2,368.9	1,548.8	3,917.7	
Reports Travel	129	159	157	Differs by	-68.0	-62.2	-130.2	
London / Time	41	47	47					
MAN Hodges	46	48	78					
Jan Briggs	15	15	20					
M. Ronchi	15	20	28					
CCN Travel	15	18	23					
Harold & Shiel	15	12	23					
Government ODC	41	81	71					
George @ 12 percent	20	40	60					
HSR Capacity Bidding	0	10	10					
Legal Training	11	11	11					
Roundtable	15	15	15					
UNEP Roundtable	15	15	15					
Equipment	8	6	7					
E-mail Access / Spare parts	8	6	7					
TOTAL ODC	483	643	614					
CARRY FWD	25	45	45					
TOTAL ODC (incl. Carry)	328	378	449					

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