

ANNEXES - CHAPTER 6

Annexe 6-1 Information Presented During Initial Public Consultation



27.5 MTPA Expansion Project

Initial Public Consultation

December 2013

Boké-Kolaboui-Sangarédi-Tanéné-Kamsar-Daramagnaki



**Sylvatrop
Consulting**



WORD OF WELCOME





- 1) **Technical presentation of project**
- 2) **Schedule**
- 3) **General and specific issues**
- 4) **Communication plan**
- 5) **Conclusion**
- 6) **Discussion period**



PRESENTATION OF THE EXPANSION PROJECT



PRESENTATION OF THE PROJECT

- In 2013, *Compagnie des Bauxites de Guinée* celebrated **50 years** since its creation and **40 years** of industrial operations.
- CBG is owned by:
 - Republic of Guinea – 49%; and
 - Halco Mining – 51%:
 - ALCOA – 45%;
 - Rio Tinto Alcan – 45%; and
 - DADCO – 10%.



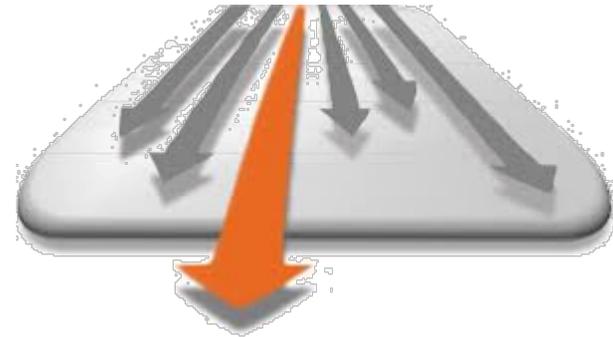
Rio Tinto Alcan





PRESENTATION OF THE PROJECT

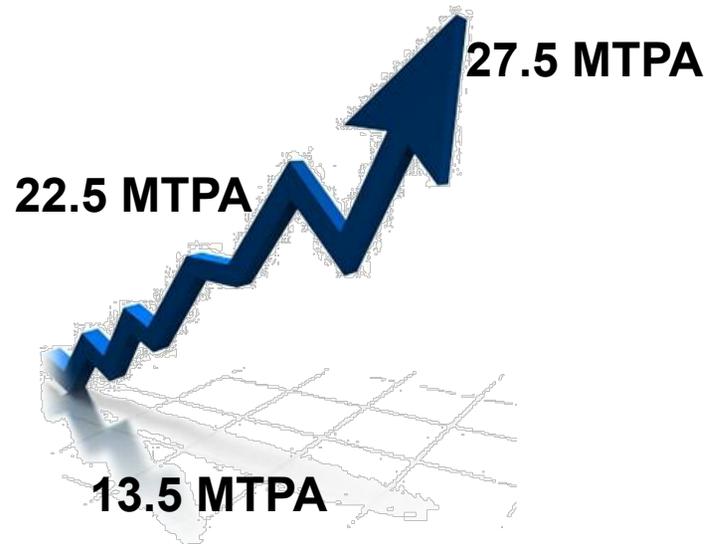
- With a workforce of **2,300** salaried employees, CBG is the **largest** private industrial and commercial company in the Republic of Guinea.
- In 2014, CBG must become the best company in the world in its field, in terms of:
 - customer preference;
 - customer satisfaction;
 - profitability;
 - health, safety, environment; and
 - community relations.





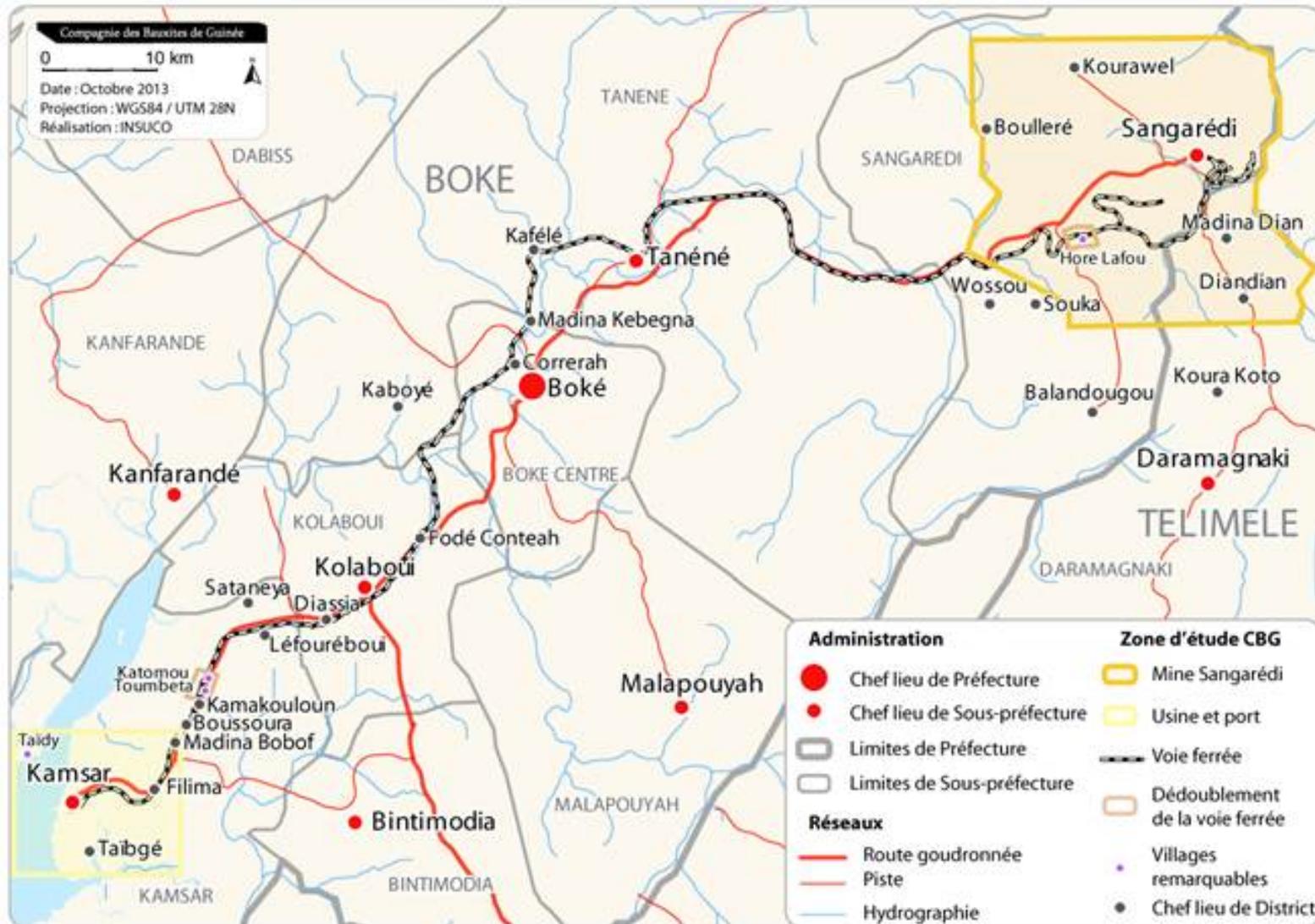
PRESENTATION OF THE PROJECT

- CBG's current capacity: **13.5 MTPA**
- Goal: to increase production to **22.5 MTPA by 2017** and then to **27.5 MTPA by 2022**
- Modifications and major additions to the Sangarédi facilities (Mine), the railroad network, the plant in Kamsar and the Port





PRESENTATION OF THE PROJECT





PRESENTATION OF THE PROJECT

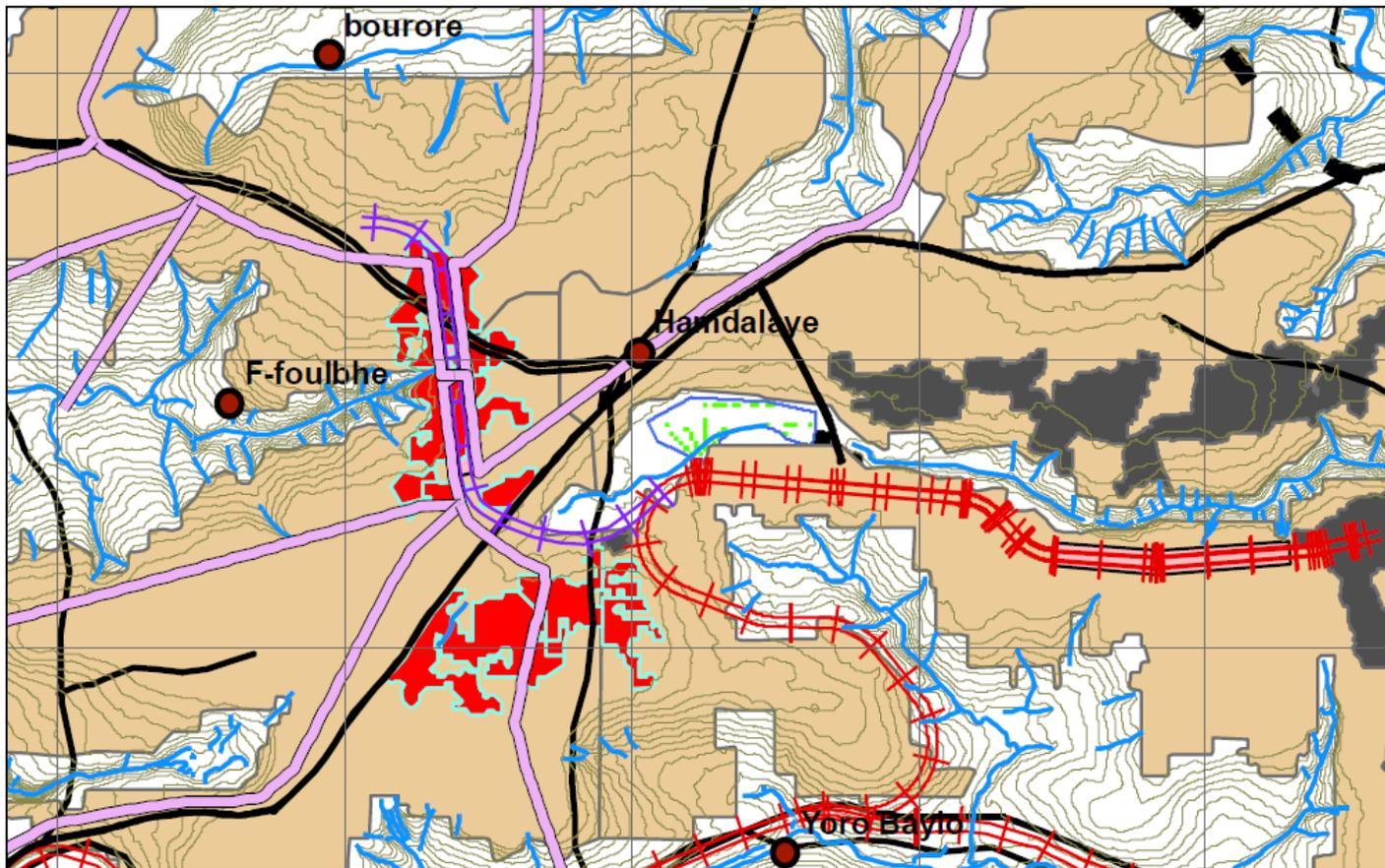
Sangarédi (Mine)

- More mining equipment (about 44 additional units) and acceleration of the mineral exploration program
- Improvement of equipment maintenance facilities
- Two (2) additional locomotives in the sorting yard
- Expansion of water reservoir
- Improvement of communications system (fleet management)
- Construction of additional housing for new employees
- New sorting yard in the Parawi area (north of the highway)



PRESENTATION OF THE PROJECT

New sorting yard in the Parawi area





PRESENTATION OF THE PROJECT

Railroad

- Additional rolling stock (388 cars and 6 locomotives)
- Modification of existing cars (coupling system)
- Two new sidings – PK 14 and 118 / extension of existing siding at PK 72, from 120 to 130 cars (capacity)
- Additional maintenance equipment
- Increase in ability to maintain machines and equipment
- Improvement of railroad signaling
- Expansion and improvement of the sorting yard at Kamsar



PRESENTATION OF THE PROJECT

Kamsar (Plant)

- New railcar unloading station (rotary dumper)
- New crushing process
- Additional conveyors / increase in capacity of existing conveyors
- Increased storage capacity for dried bauxite
- Increased capacity of the 3 existing dryers and addition of a 4th (including air scrubber):
 - Upgrading of fuel storage and transportation, upgrading of burners (greater efficiency)



PRESENTATION OF THE PROJECT

Kamsar (Plant)





PRESENTATION OF THE PROJECT

Kamsar (Port)

- Construction of an additional ore dock and new access:
 - Different scenarios still under study
- Dredging of existing canal and basin to accommodate two (2) ships at once
- Additional port equipment (tugs, launches) and increased capacity for equipment maintenance

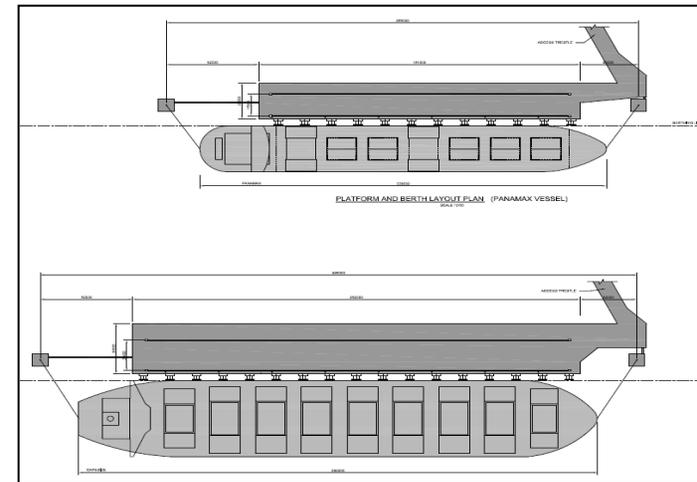


PRESENTATION OF THE PROJECT

Kamsar (Port)

Alternatives considered:

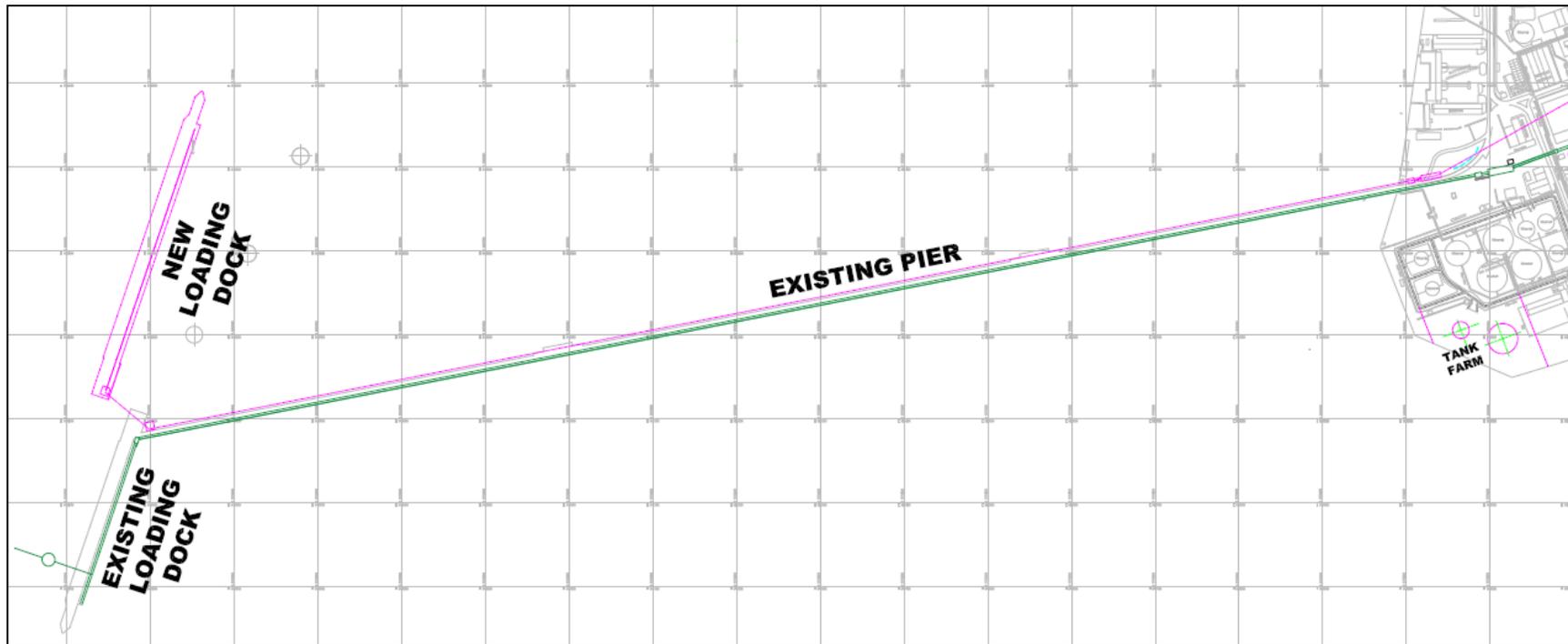
- Capesize ship loaded entirely at the dock
- Capesize loaded partly at the dock with final loading by Panamax or Handymax vessel with a ship-to-ship transfer system
- Capesize loaded at sea in 3 stages by Panamax vessel





PRESENTATION OF THE PROJECT

Kamsar (Port)





PRESENTATION OF THE PROJECT

Kamsar (services and infrastructure)

- Increase in energy capacity as a result of demand from new industrial equipment and infrastructure (electricity, steam, compressed air, water)
- Increase in fuel-storage capacity as a result of additional demand from the new dryer and the power plant
- Construction of additional housing for new employees



SCHEDULE



SCHEDULE – PROJECT

Prefeasibility Study (FEL 2)	April 2013 – Mar. 2014
Environmental and Social Impact Assessment	Sept. 2013 – Mar. 2014
Feasibility Study (FEL 3)	Mar. 2014 – Nov. 2014
Execution of work – Phase 1	Nov. 2014 – Dec. 2016
Execution of work – Phase 2	– Dec. 2021



GENERAL AND SPECIFIC ISSUES



GENERAL ISSUES

Environmental and Social Impact Assessment

- ❑ The Ministère de l'Environnement, des Eaux et Forêts requires that an in-depth assessment be performed to identify and manage the various issues related to the Project, along with its impacts.
- ❑ The assessment is being carried out by the Canadian firm **ÉEM**, in collaboration with two (2) Guinean companies, **Insuco** (social issues) and **Sylvatrop Consulting** (biodiversity).
- ❑ Scoping work and preliminary consultations with the various stakeholders in the communities have already identified the Project's **potential environmental and social issues**.



GENERAL ISSUES

Positive issues: physical and biological environment

- Increase in production will shorten the active life of the mine, returning the land to other uses more quickly

- Some of the proposed modifications could have a positive impact on the environment:
 - Conveyor to the new dock
 - Railcar dumper station
 - Refueling and washing station for locomotives
 - Construction of new buildings at the mine to current environmental standards



GENERAL ISSUES

Positive issues: social environment

- Job opportunities** during the Project's construction and operating phases
- Vocational training** mechanisms adapted to mining activities
- Regional **economic development** with the stimulation of agricultural, commercial and service activities
- Continuation and acceleration of **infrastructure development**
- Upgrading of some equipment and infrastructure will improve **health and safety** for workers and the local population (e.g., railroad signaling)



GENERAL ISSUES

Negative issues: physical and biological environment

- Possible increase in **airborne particulates** and **gases**
- Possible increase in **noise** and **vibrations**
- Possible effects on **surface water and groundwater** (pollution, changes in water level)
- Possible effects on **sediments** and **soils** (pollution, removal, erosion)
- Possible effects on **natural habitats** and the **plants and animals** that live in them



GENERAL ISSUES

Negative issues: social environment

- Possible irreversible loss of original ecological and socioeconomic functions in the Project area
- Damage to, or even destruction of, some **heritage sites**
- Physical displacement** of people, whether for economic reasons or because their houses are in the Project's footprint (e.g., mine, railroad)
- Influx of workers**, job seekers and their families into the Project's footprint



GENERAL ISSUES

Negative issues: social environment

- Impacts on the health of workers, subcontractors and people living in the vicinity of the various Project components

- Accelerated extraction of the resource could be disproportionate to the socioeconomic benefits



SPECIFIC ISSUES

Mine (Zone 1)

- ❑ Land used for agriculture (cultivated and fallow uplands, agriforestry plantations) will be taken over and irreversibly transformed by mining activity.





SPECIFIC ISSUES

Mine (Zone 1)

- ❑ Habitat loss affecting many plant and animal species will also affect the traditional harvesting of natural resources on the bauxite plateaus (timber, firewood, food from hunting and gathering, etc.).





SPECIFIC ISSUES

Mine (Zone 1)

- Expansion of the mining area will cause a concomitant reduction in grazing space for cattle.
- Mining operations also seem to alter the hydric properties of subsoil (reduced water retention capacity), causing changes to the hydraulic regimes of watercourses.





SPECIFIC ISSUES

Mine (Zone 1)

- ❑ Topsoil removed before mining, and stored for the purpose of subsequent rehabilitation, is subject to erosion, potentially contaminating runoff and in turn degrading water quality.





SPECIFIC ISSUES

Mine (Zone 1)

- ❑ Increased blasting is also an important issue for nearby populations:
 - Noise pollution
 - Risk of property damage
 - Cracking or partial collapse of dwellings built with traditional materials (adobe and baked-earth bricks)





SPECIFIC ISSUES

Plant (Zone 2)

- ❑ Dredging in the canal to make it deeper and broader could affect fishing by local populations in the mouth of the Rio Nuñez
 - Depth: -11.2 m to -16 m
 - Width: 120 m to 190 m





SPECIFIC ISSUES

Railroad (Zone 3)

- ❑ Construction of sidings along the railroad will significantly increase its footprint, possibly requiring that some dwellings be relocated (e.g., at PK 14).
- ❑ Increased rail traffic will heighten the risk of accidents, generate more noise pollution and increase the risk of collisions with cattle and other animals.





COMMUNICATION PLAN



COMMUNICATION PLAN

ÉEM scoping mission (Insuco and Sylvatrop Consulting) October 5 to 24, 2013

Subject: Consultations with local stakeholders – local authorities,
community and civil society representatives

Purpose: Develop a preliminary idea of the Project's impacts as perceived by
local stakeholders



COMMUNICATION PLAN

Launch Notice – Expansion Project October 24, 2013

Subject: Communication sent to the appropriate ministries and the various authorities in the communes concerned and launch of a radio message

Purpose: Inform the population about the proposed production increase and the launch of impact studies



COMMUNICATION PLAN

Presentation and approval of the Terms of Reference (TOR)

November 4 to 7, 2013

Subject: Official document sent to the Ministère de l'Environnement, des Eaux et Forêts for approval of the assessment framework

Purpose: Identification of the principal environmental and social issues related to Project sites

Once examined and approved, the TOR constitute the basis for the framework of the impact assessment.



COMMUNICATION PLAN

Presentation of the complete Scoping Report December 5, 2013

Subject: Document sent to the Bureau Guinéen des Études et Évaluation Environnementale (BGEÉE) for monitoring and verification

Purpose: Detailed identification of the principal environmental and social issues concerning Project sites, constituting the framework of the Environmental and Social Impact Assessment



COMMUNICATION PLAN

Stakeholder Engagement Plan (SEP)

The SEP provides a structure for all interactions among stakeholders, including CBG, with regard to the expansion project.

How:

- Initiate discussions with the various Study Area interest groups that are directly or indirectly affected by the Expansion Project
- Discuss their relations with CBG and more specifically their level of knowledge about the Expansion Project



COMMUNICATION PLAN

Community engagement

Objectives:

- 1.Ensure that all those who could be concerned are informed and can participate freely in the Project consultations (e.g., community forum)
- 2.Inform the population about the launch of the ESIA and the Project
- 3.Provide opportunities for people to express their concerns and obtain answers to their questions about the Project
- 4.Ensure that the concerns, preferences and points of view of those who could be affected are taken into account in the examination of possible alternatives, the identification of impacts and the development of plans for mitigation, compensation and monitoring



COMMUNICATION PLAN

Community engagement

Initial public consultation from December 9 to 17, 2013:

- Description of the Expansion Project – its main components and the schedule for carrying them out

- Potential issues related to the Expansion Project, by zone and sector
 - Process planned for communications with stakeholders

 - Grievance mechanism (including complaints resolution)



COMMUNICATION PLAN

Community engagement

Public release consultation (on conclusion of ESIA):

- Public consultations on Project impacts and the main mitigation measures

- Submission, at this consultation, of the Environmental and Social Impact Assessment, with its Environmental and Social Management Plan



COMMUNICATION PLAN

Grievance mechanism

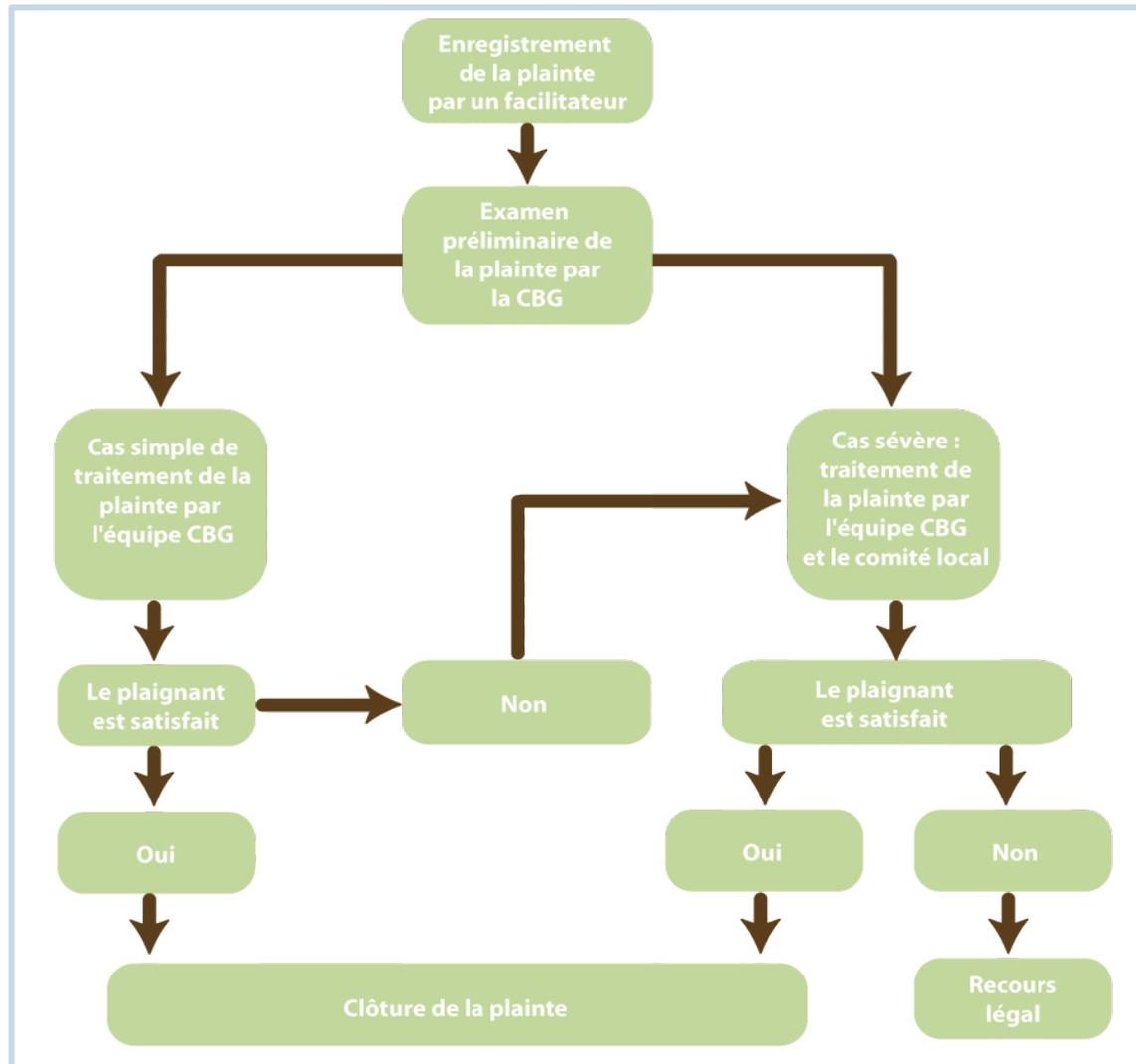
Several years ago CBG set up a procedure for the **receipt and resolution of complaints**.

The Stakeholder Engagement Plan improves on this system by facilitating communication between the community and CBG.

Complaint management will follow a well-established structure that is recognized by the World Bank, with mediation and arbitration by third parties.



COMMUNICATION PLAN



Sample flowchart for handling complaints



CONCLUSION



CONCLUSION

This consultation is intended as a tool for gathering the population's concerns about the Project and related issues.

The biodiversity baseline studies, the socioeconomic studies and the concerns collected during these consultations will be used to complete an assessment report that will enable CBG to implement an Environmental and Social Management Plan that is as effective as possible.

This document will link impacts, mitigation measures and operations management of the Project over the short, medium and long terms.





DISCUSSION PERIOD