Project Planned & Predicted Phases

Phase 1: Developing a bauxite mining operation with annual capacity of 1,000,000 tpy for export

Developing a bauxite mining operation with annual capacity of 3-7 million metric tpy for export and/or processing into alumina

Phase 3: Alumina Project. Construction of a 1,200,000 tpy alumina plant

Aluminum Project: Construction of a 240,000 tpy aluminum smelter, and a 500 MW

power plant

Anticipated Capital Investment

120,000,000 US\$

950,000,000 US\$

Phase 4: Not Yet Analyze

cipated Capies investment. Bridge Project Economical Stat

Phase 1: 27,000,000 US\$ Capital Investment: 27,000,000 US

Design and Construction Period. 2 Years

Operation Period: 4 Years

Internal Rate of Return (IRR): 33%

Net Present Value (14%): 12,000,000 USS

For further information, please contact the following addresses:

HELALIN S.A.

Phase 2:

Phase 4:

Phase 2:

Mr. Hossein Samadi, Managing Director samadi@itokgroup.com & samadi@helalinsa.com

BP: 3114 - Conakry Republic of Guinea Tel: (00224) 64 44 36 62 / 62 44 36 62

www.helalinsa.com

ITOK GmbH

Mr. Mohammad Hossein Torabi, Managing Director torabi@itokgroup.com

Enrope Office:

1060 Vienna / Austria - Kurzg, 1/Top 5+6 Tel: (+43) 1 597 28 41 Fax: (+43) 1 597 28 42 www.itok.co.at



HELALIN S.A. AD

BAUXITE & ALUMINA PLANT PROJECT

in Regulille of Guines









www.helalinsa.com

Project Introduction

HELALIN S.A., a Joint Stock Company between 3PL Trade S.A. from Greece and ITOK GmbH from Austria, incorporates under the laws of Republic of Guinea and has concluded a Basic Convention with the Ministry of Mines and Geology of Guinea ratified by the Parliament of Republic of Guinea. HELALIN S.A. has acquired a bauxite exploration permit over a 2000 sq. km area in Fria-Telemele region located in western Guinea, about 180 km from Conakry Port.

The aim of project is to develop and establish a mining operation in the mentioned area to exploit and export 3 to 4 million tonnes bauxite to international markets at the first step, and to construct a 1.2 million tpy alumina plant to treat bauxite into alumina at the second step.

The possibility of construction of an aluminum smelter and the related infrastructures; and a power plant in further steps are also under investigations.





Guinea Bauxite Resources and Industries

Republic of Guinea is located in western Africa and extends over 245,857 square kilometers. Possessing 7 billion tons or about one-third of 20 billion tons world bauxite base reserves, Guinea stands at the first rank among the countries having the largest bauxite reserves in the world.

Available Infrastructure

Vicinity to the main city of Fria and the Friguia Alumina Plant, Conakry-Fria asphalted road, manpower, water and power resources available; access to the existing transportation means of Fria-Conakry metric railway of Friguia alumina plant, and alternatively Kindia-Conakry standard railway of CBK company, utilization of alumina and bauxite storage, and loading facilities of Friguia and possibly SBK companies at Conakry port.









Project Main Information

Project Location: Project Location: About 180 km northeast Conakry

Project Owner: HELALIN S.A., a company incorporated under the laws of Republic of Guinea

and established to develop the bauxite and other mineral resources of Fria-Telemele Bauxite resources extended over 2,000 square km and surrounded by Kindia, Fria and Telemele cities the license of which for exploration has been granted by the

Ministry of Mines & Geology of Guinea to HELALIN S. A.

General Contractor: ITOK GmbH Engineering, Technology and General Contracting Company

Exploration and Over an about 2,000 square km Area, surrounded by Kindia, Fria and Telemele

Exploitation Licenses: cities, about 180 km from Conakry

Bauxite Resources: Total indicated and inferred bauxite resources in the Area are estimated to be

500 Million tons @ 46% average alumina grade (Al2O3) and @ 2% average

Silica content (SiO2)

Bauxite Mineralogy: Gibbsite bauxite ore suitable to treat to alumina through Bayer Process







Project Advantages

Beneficiary of Massive Bauxite Resources of Guinea in general and of granted Area in particular, quality and quantity of bauxite resources, easy treatment of bauxite into alumina through Bayer Process, existing infrastructure and roads, water and power resources; low manpower costs, existing railways and port facilities, vicinity to the Atlantic ocean to easily export the produced bauxite and alumina to the world market, no environmental significant impacts, cooperation in sustainable social and economical development of Republic of Guinea, etc.







