

ENVIRONMENTAL IMPACT STUDY FOR THE RUMICHACA - PASTO DUAL
CARRIAGEWAY, PEDREGAL – CATAMBUCO SPAN, UF 4 AND UF 5.1, CONCESSION
CONTRACT UNDER SCHEME APP NO. 15 OF 2015



Géminis Consultores Ambientales



Chapter 1. Objectives

San Juan de Pasto, March 2017

1. Objectives

1.1. Overall project objectives

Build a new dual carriageway axis road of the Rumichaca - Pasto road corridor, Pedregal – Catambuco span, with the aim of improving the communication and connectivity of Southwest Colombia with the rest of the country and with Ecuador.

1.1.1. Specific project objectives

- Integrate the Southwest of Colombia (Pasto, Popayán, Cali) with the rest of the country, contributing to the strengthening of the region's road development.
- Strengthen the international axis that joins Colombia with Ecuador by improving the road infrastructure of the Rumichaca - Pasto corridor, Pedregal – Catambuco span, directly impacting the economy of the country, improving the supply of public services, boosting tourism and generating work and investment opportunities.
- Optimize national and foreign road traffic circulation and articulation based on projected design speed of 60 km/h. thus reducing the levels of accidents, travel times and vehicle operating costs.

1.2. General EIA objective

The objective of this Environmental Impact Study is to submit to the National Environmental Licenses Authority -ANLA the information required by the terms of reference for road and/or tunnel construction projects with their accesses gathered under Resolution 0751 of 2015 in order to obtain the Environmental License for the Rumichaca - Pasto road project Pedregal – Catambuco span.

1.2.1. Specific EIA objectives

- Articulate the Environmental Impact Study in accordance with the socio-economic environment characteristics of the Pedregal – Catambuco span, considering the specific characteristics of the sector in relation to population dynamics.

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- Ensure the Prior Consultation process with the indigenous communities of the Cabildo de Montaña de Fuego and Cabildo of Catambuco, certified by the Ministry of the Interior by Resolution No. 22 of 01 August 2016 and Resolution No. 23 of 01 August 2016.
- Define, identify and delimit the project's area of influence where significant environmental impacts are evidenced.
- Characterize the Project based on the abiotic, biotic and socio-economic environments of the area of influence of the project; build the base line from which the works and management measures will be defined of the activities carried out in the area of influence during project development.
- Quantify or estimate the demand and use of renewable natural resources required for the Project in development in its construction and operation phases, in order to include the corresponding environmental permits in the Environmental License.
- Environmentally zone the project's area of influence through the comprehensive analysis of characterized components to determine the strengths, weaknesses and sensitivity environmental of the project's area of influence.
- Identify and evaluate the positive and negative impacts that can generate each phase of the Project in its pre-construction, construction and operation phases.
- Estimate the economic value of the environmental benefits and costs that potentially generated by implementing the project.
- Establish the zoning for the project's environmental management based on the environmental zoning and the impacts identified for project related activities.
- Formulate an Environmental Management Plan in order to establish the corrective, prevention, mitigation and compensation measures of impacts, as well as the monitoring and follow-up strategies to implement formulated measures in order to assess the efficiency and effectiveness thereof during project development.
- Submit a proposal which includes the activities and works necessary to carry out the abandonment, dismantling, and restoration of temporary works in the different project phases.

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- Submit a technical proposal and an economic 1% investment plan for the use of hydric resources taken from natural surface and groundwater sources, in accordance with article 43 of the Law 99 of 1993, and its Regulatory Decree 1900 of 2006.
- Develop the Compensation Plan in accordance with Resolution 1517 of 2012 of the Ministry of Environment and Sustainable Development, whereby the compensation for biodiversity loss manual is adopted.
- Identify the project's risks and the endogenous and exogenous threats to formulate the emergency response plan or contingency plan in the construction stage and define the guidelines for the operation stage.

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