

IDB883-714/07

BRAZIL

TRAVEL DEMAND FORECAST STUDIES

Sector: Consulting Services/Transport

HIGH-SPEED TRAIN LINE RIO DE JANEIRO – SÃO PAULO

BR-T1087 (pending approval)

Expressions of Interest (EOI)

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The Brazilian *Banco Nacional de Desenvolvimento Econômico e Social* has requested financing from the Inter-American Development Bank (IDB) for the procurement of Travel Demand Forecast Studies for the high-speed train line between the cities of Rio de Janeiro and São Paulo. The consulting services are part of a technical cooperation project to be financed with funds from IDB's Infrastructure Fund. The main objective of the consulting services is to forecast the passenger demand of a high-speed rail service between Rio de Janeiro and São Paulo, providing the bases to evaluate the technical, economical and financial feasibility of the project. The project contemplates the introduction of a modern rail service utilizing the latest equipment and technology to provide a very high quality of service. The study should evaluate alternatives considering stops in Guarulhos and Galeão International Airports, and in the cities of São José dos Campos, Taubaté, Resende, Volta Redonda and Jundiaí in the extension to Campinas.

During the estimated ten-month period of execution of the consulting services, the selected firm is expected to complete the following key task activities: (i) review and analysis of available studies and data; (ii) define the study area and geographic detail for modeling purposes (traffic analysis zones); (iii) assemble data on all transportation service modes and infrastructure supply in the area of study; (iv) conduct a representative sample of travel demand surveys, including integrated O-D with revealed preferences, as well as stated preference surveys in airports, interurban bus terminals and cordon boundary in highway access points; (v) perform an analysis of alternatives for the high-speed rail line alignment and technology, including factors such as capital costs (infrastructure and right-of-way associated costs), operational costs, design and implementation considerations, service performance, and economic, social and environmental impacts; (vi) consolidate the travel data and the socioeconomic characteristics of the traffic analysis zones; (vii) develop and calibrate a travel demand model (a hierarchical mixed Logit model for routines of generation, distribution and modal split) that captures diverted, generated and induced demand; (viii) define future scenarios and forecast travel demand for the high-speed rail system; (ix) conduct sensitivity analysis of the demand for different high-speed rail technologies, schemes of operations, and fare structures (using empirically estimated state-of-practice discrete choice models allowing for correlation among alternatives and heterogeneous tastes); and (x) estimate the potential revenues and costs for each scenario, and the associated net economic benefits (using estimated subjective values of time and their confidence intervals from the discrete choice models).

The IDB now invites eligible consultants from its member countries to submit EOI in providing the services. Eligible consultants must have proven general experience and specific expertise on travel demand forecast studies for similar projects with the objectives and activities indicated in this notice. As a result of the EOI evaluation, the IDB will shortlist six consulting firms or affiliations, to whom tentatively, on early November 2007, will invite to present technical and economic proposals.

The budget cap for the consulting services is US\$ 1,680,000.

Interested consultants must submit information establishing that they are qualified to perform the services (description of similar assignments, experience in similar conditions: country, continents, urban areas, and proven availability and experience of appropriate skills among staff.)

Interested consultants must send their EOI with no more than 15 pages and include: (i) legal name of the consulting firm; (ii) legal representative properly authorized to sign the declaration for and on behalf of the Firm; (iii) address; (iv) telephone number and fax; (v) e-mail address of contact person; (vi) information about the consulting firm organization and its principal areas of expertise and activity; (vii) description of specific experiences in similar

projects, within the last ten years, and the proven aptitude and expertise to develop state-of-practice travel demand models. The information requested in (vii) should include at least: a description of the activities, the degree or percentage of the firm's participation in the study, the execution period and dates, contract value and place of the demand studies in it, the level of responsibility, the country or urban area where the project was located. The curricula vitae of potential personnel involved in the studies are not required at this stage.

Consultants may associate to enhance their qualifications. EOI will be sent in English or Portuguese. The working language of the consultancy will be Portuguese, and reports will therefore be presented in that language.

Consultants will be selected in accordance with the procedures set out in the IDB's *Policies for the Selection and Contracting of Consultants financed by the Inter-American Development Bank* (current edition) and is open to all eligible bidders as defined in the policies. The contract will include provisions limiting future engagement of the consultant for other services resulting from or directly related to the firm's consulting services in accordance with the requirements of Paragraphs 1.9 and 1.10 of the Policies.

Interested consultants may address any questions related to the consultancy by e-mail only to the address below. EOI must be sent in electronic format to the same e-mail address by COB 12 November 2007.

IDB

Inter-American Development Bank

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