

IDB1314-740(OO)

BRAZIL

GEOTECHNICAL STUDIES FOR THE BRAZILIAN HIGH-SPEED TRAIN LINE

Sector: Transport / Consulting Services

INTRODUCTION OF MODERN RAIL SERVICE

Expressions of Interest (EOI)

BR-T1087 / ATN/OC-10699-BR

Deadline: 1 December 2008

The *Banco Nacional de Desenvolvimento Econômico e Social* has requested support from the Inter-American Development Bank (IDB) for the procurement of Geotechnical Consulting Services required in preparation of the studies for the Brazilian high-speed train (HST) line. The HST project contemplates the introduction of a modern rail service utilizing the latest equipment and technology to provide a very high quality of service. The services are part of a technical cooperation project. The main objective of the services is to investigate and analyze the geology and hydrogeology aspects of the HST alignment identifying the geological and geotechnical characteristics of the soil and sections of the alignment subject to further analysis. This information will be used in the optimization of the alignment, screening and selection of preferred alternatives and geological risks during the construction phase of the project.

During the estimated four-month period of execution of the consulting services, the selected firm is expected to complete the following key task activities: (i) Review available information and develop preliminary subsurface model, including the review of existing geotechnical reports, topographic maps, digital terrain models, geo-referenced geologic maps and reports, aerial photographs, soil surveys, etc.; (ii) Identify the project needs and the material properties required, identify design and construction requirements, possible areas of concern on site, anticipated engineering analyses, engineering properties and parameters (with the consultant identifying possible exploration and sampling methods); (iii) Plan the site investigation, identifying the number and type of explorations needed and develop a sampling schedule to include sample type and interval defining the exploration types and sampling methods and conduct a site reconnaissance; (iv) Conduct investigation and field tests, defining the stratigraphy, depth to groundwater, geologic constraints; estimate the engineering properties of the subsurface materials and collect representative samples; (v) Perform sample descriptions and laboratory index tests; (vi) Develop laboratory testing; (vii) Select material properties and finalize subsurface model; and (viii) Perform analyses and present conclusions, construction cost estimates, and recommendations.

The IDB now invites eligible consultants from member countries to submit EOI in providing the services. Eligible firms must have proven general experience and specific expertise on similar projects with the objectives and activities indicated in this notice. As a result of the EOI evaluation, the IDB will shortlist six firms or affiliations to which tentatively in December 2008 it will invite to present proposals. A period of 30 calendar days will be given for the selected firms to present proposals.

The budget cap for the consulting services is US\$ 1,500,000.

Interested firms must submit information establishing that they are qualified to perform the services (description of similar assignments, experience in similar conditions: Brazil, region of study, 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 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 in general and in Brazil in particular, within the last ten years, and the proven aptitude and expertise for geotechnical studies in projects of similar size in general and in the region of study in particular. This description should include at least the activities, the degree or percentage of participation in the study, the execution period and dates, the level of responsibility, the country and urban area with the location of the project. The curricula vitae of potential personnel involved in the studies are not required at this stage.

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

Selection of consultants will follow 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 shall 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 said **Policies**.

Interested consultants may address any questions related to the consultancy by e-mail to the address below by close of business (c.o.b.) 27 November 2008. EOI must be sent in electronic format to the same e-mail address by c.o.b. 1 December 2008.

IDB

Inter-American Development Bank

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