

IDB918-785/10

COLOMBIA

PREFEASIBILITY STUDIES FOR THE MACIZO VOLCÁNICO DEL RUIZ GEOTHERMAL FIELD

HH (consultants)

CONSULTING SERVICES

CO-T1208 - ATN/JC-12150-CO

Deadline: 12 November 2010

The Inter-American Development Bank (IDB), with the Japanese Trust Fund for Consultancy Services JCF), will procure consulting services to support ISAGEN S.A. ESP (ISAGEN) for the purpose of preparing prefeasibility studies to develop and validate the geothermal model for the two selected areas located in the Macizo Volcánico del Ruiz, near to Manizales Municipality, in strict compliance with IDB environmental and social safeguards and policies and with applicable Colombian legislation.

The consulting services are requested for the following activities to be performed: (i) *geological, geochemical, and geophysical studies (electrical resistivity surveys, magnetic surveys and gravity surveys), particularly to carry out detailed geology, geochemistry, and geophysical characteristics, interpretation of the magneto telluric data and determination of hydrological flow, water supply and demand, and geothermal temperatures for the selected areas (together the “Technical Studies”)*; (ii) *revision and analysis of the Technical Studies including relevant applicable pre-feasibility and feasibility studies that are part of (i) above*; (iii) *environmental and social studies that will focus on the elaboration of an Environmental Impact Assessment (EIA) for the geothermal plant; an Environmental Management Plan (EMP); a Health and Safety Plan (E&S Plan) and an Emergency Plan (EP) (the environmental and social studies will also identify the hydrological relationship between the reservoir that will be used to produce geothermal energy and the source of waters to be used by local communities (such as wells). As geothermal drilling and reinjection might have an influence on the quality of the underground water (if not properly mitigated), documenting such relationship is important. In addition, an inventory of water uses in the vicinity of the proposed project will also be included)*; (iv) *dissemination of findings to facilitate the transfer of technology and information as well as promote the sharing of experiences and*; (v) *action plan based on the results obtained in (i); (ii) and (iii) above, including specific recommendations to continue with the next exploratory drilling phase (basic tender documents for the plant will be obtained). Technical specifications under the consulting services activities described above will be further detailed in the Request for Proposals (RFPs) Terms of Reference (TORs).*

The estimated execution period of the consulting services is 18 months, with a budget of US\$750,000.

The IDB invites Japanese consulting firms to submit Expressions of Interest (EOI) to provide the above-mentioned services. Interested Japanese Consulting Firms must have proven general experience and specific expertise in previously-developed geothermal projects in the region or elsewhere, if applicable, and a satisfactory track record with previously carried out consultancies.

As a result of the EOIs evaluation, the IDB will shortlist six Japanese consulting firms or affiliations, which are envisioned to present their Technical and Economic Proposals, using the Quality Cost Based Selection (QCBS) method in November 2010. The contract will be signed directly with the IDB. Interested Japanese consultants must submit information establishing that they are qualified to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.).

Japanese consulting firms shall send their EOIs with no more than ten pages written in English language and including: (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 and fax numbers; (v) e-mail address of contact person and website; (vi) information about the Consulting Firm's organization and its principal areas of expertise and activities; (vii) description of specific experiences in geothermal energy development, design and planning, especially in Latin American and Caribbean countries, within the last ten years. For the information requested in (vii) the interested firms should provide as a minimum: a description of the activities under similar consultancies, the degree or percent of participation in the project, the execution period and dates, the level of responsibility held by the company in each project (technical, supervision or administrative responsibility), the country and region with the location of the project. The curricula vitae of potential personnel involved in the studies are not required at this stage.

Japanese consulting firms (the firms have to be at least 50 percent owned by Japanese nationals) may associate to enhance their qualifications with Colombian or international consulting firms or research centers. Working language of the consulting services will be in Spanish and English, and reports will be presented in English.

Consultants will be selected in accordance with the procedures set out in the Inter-American Development Bank (IDB) <I>Policies for the selection and Contracting of Consultants financed by the Inter-American Development Bank</I> (current edition) and is open to all eligible bidders as defined in the policies.

Interested Japanese consulting firms may obtain further information via email to Mrs. Natacha Marzolf and Mrs. Pilar Rodriguez at the addresses indicated below until 5 November 2010.

The EOIs should be submitted in electronic format (PDF) until 17:00 hours (local time Washington DC), 12 November 2010, to Mrs. Natacha Marzolf with copy to Mrs. Pilar Rodriguez. The IDB is not responsible for EOIs sent to designated mailboxes after the deadline date and time. Digital files should not exceed two megabytes (MB) of memory.

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