



MARKET STUDY FOR THE PROJECT MANAGER FOR THE RIO INDIO PROJECT

1. GENERAL

1.1 GENERAL CONSIDERATIONS

The Panama Canal Authority (ACP) is conducting a market study, for information purposes only, to explore the availability of consulting firms willing to provide the Project Management Services for the Rio Indio Project for a future tendering process.

THIS IS NOT A SOLICITATION FOR PROPOSALS, AND NO CONTRACT WILL BE AWARDED FROM THIS MARKET STUDY. No reimbursement will be made for any costs associated with providing information in response to this announcement or any follow-up information requests. Respondents will not be notified of the market study results.

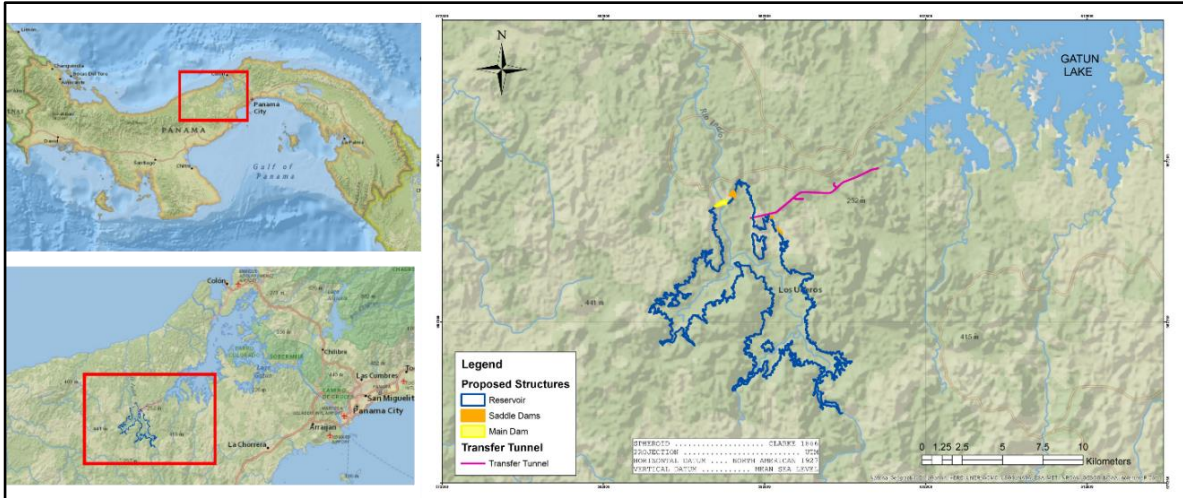
1.2 BACKGROUND

The ACP's responsibility for meeting Canal operational needs and ensuring water requirements for human consumption. The increase of water demand for human consumption and the variability of rain in the last decades have generated excessive pressure on the Canal watershed's limited water supply resources. This places long-term sustainability and reliability of Canal operations at risk impacting Canal's global competitiveness. The ACP is aiming to implement projects that will guarantee water access for municipal and industrial use with appropriate quality and quantity, considering the adequate management of social aspects, water resources protection and climate change.

1.3 GENERAL DESCRIPTION OF THE RIO INDIO PROJECT

The Rio Indio watershed is located west of the Panama Canal watershed, between the Provinces of Coclé, Panama, and Colon as shown in the figures shown on the following page.

The Rio Indio Project is expected to include, at a minimum, the construction of a large gravity RCC main dam, a spillway, outlet facilities; saddle dams; water transfer system via tunnel and all appurtenant structures and facilities.



Location and Configuration of Rio Indio Multipurpose Project

2. SCOPE OF WORK FOR PROJECT MANAGEMENT SERVICES FOR THE RIO INDIO PROJECT

The purpose of this market study is to gain knowledge of the capabilities, qualifications, and availability of interested parties in the industry for providing advice regarding project management, engineering services, and construction management services for the Rio Indio Project on behalf of the owner.

In the event a future contract for the Project Management Services is awarded, the contractor performing such services would be precluded from participating in the Rio Indio Project as Contractor or subcontractor.

2.1 PRE-CONSTRUCTION PROJECT DEVELOPMENT AND MANAGEMENT

The selected firm may be requested to provide project management services required to assist the ACP in the development of technical and administrative components of the DB tender package. The potential activities that may be requested of the firm associated with this phase of project implementation may include, but is not limited to:

- a. Comprehensive Project management support; including but not limited to preparation of Project management documents, management of activities, scope, schedule, risk register, and supplementing staffing requirements of the ACP.
- b. Specialized review, technical advice and assessment reports on the preparation of the conceptual design deliverables and milestones developed by others.
- c. Develop a Comprehensive Quality Management Plan including the requirements to implement adequate Quality Assurance procedures, and development of Quality Control Specifications for aspects of work included in the tender.
- d. Provide specialized management and technical support to develop, write and provide advice on the preparation of the Design Build tender package for the project, including technical and administrative sections, quality framework and requirements, drawings, references, conditions of contract / contract clauses, evaluation criteria, etc.

2.2 DESIGN-BUILD CONTRACT PROCUREMENT

During the procurement of the DB contractor, the firm may be requested to provide project management support related to the solicitation process, associated documents, and evaluation of proposals.

2.3 POST-AWARD

Upon awarding the Design-Build contract, the firm may be requested to provide the following services related to the project management, engineering services, and construction management of the project, but is not limited to:

- a. Comprehensive Project management support; including but not limited to preparation of management documents and reports, management of activities, scope, schedule, risk register, and supplementing staffing requirements of the ACP during all Rio Indio Project phases.
- b. Provide specialized technical advisory services to ACP during the execution of the construction contract, including review of design related submittals and modifications.
- c. Provide comprehensive Quality Management services related to implementation of the primary contract as well as all other associated construction contracts, including inspections and testing services required in the Quality Management plan.
- d. Train, mentor and provide recommendations to ACP staff regarding project, construction and environmental management best practices.
- e. Provide engineering services for the overall implementation of the project.
- f. Risk and claim support services. The scope may include all the support required for the negotiation and review of all the project contracts and documents, as well as the ongoing individual project support necessary to deal with issues arising out of such, including the administration claims. This office will also provide risk management assessments, follow up

and remedial measures/recovery plans to ensure the project is within scope, time, quality and costs. Also, will provide contract oversight of the project.

- g. Support the required measures to mitigate and manage environmental and social impacts for all the activities to be executed, including advising on effective communication efforts with public and ACP.
- h. Monitor the implementation and effectiveness of contractual requirements for health and safety for all aspects of work.
- i. Provide recommendations for strict guidance and follow up to independent laboratories capable of conducting material testing and quality assurance as detailed in the quality plan.
- j. Provide Environmental services to ensure that design and construction activities are carried out in a manner that supports and satisfies the environmental requirements.
- k. Develop and provide all necessary to implement, maintain and support a Project Management Information System (PMIS) for this project.
- l. Provide a multidisciplinary team to assess field or project conditions regarding possible claims or disputes.

2.4 PROJECT CLOSE-OUT

Upon completion of construction, the firm may be requested to provide services related to the transition of the project to the ACP and the close-out of the DB contract, included but not limited to:

- a. Tests and starting operations of project features.
- b. Training to the ACP related to operations of facilities constructed by the DB Contractor.
- c. Support the ACP legal services consultants in regard to claims and disputes, if needed.
- d. Handover of Project management documentation, lessons learned and reports delivery (PMIS).

3. ESTIMATED DURATION OF SERVICES

The estimated durations of the services requested are provided below. These services are anticipated to be requested under a contract that will be made public in quarter one (1) of the calendar year 2025 in order for services to begin in quarter four (4) of calendar year 2025. The estimated durations of the services, as well as the date when they may be required, may differ from what is indicated in this document.

- Pre-construction Project Management and Development: 12 months
- Design-Build Contract Procurement: 12 months
- Post-Award: 36 months
- Project Close-out: 12 Months

4. SUBMITTAL

4.1 GENERAL

The ACP is requesting that the firms interested in providing Project Management Services for the Rio Indio Project submit information related to the qualifications and prior work experience of performing project management, engineering, and construction management services of large civil work structures. The submittal should include:

4.2 FIRM'S EXPERIENCE

It is requested that interested firms demonstrate experience in providing project management, engineering services, and construction management such as those described in this document for large civil engineering construction projects, including dams, hydraulic structures, and tunnels. The experience can be presented in a list or table, including at least the following:

- a. Project Title
- b. Start and End Dates
- c. Project Description/Overview
- d. Client's Name and email address
- e. Procurement Method (e.g. Design-Bid-Build, Design-Build)
- f. Services Provided on Behalf of the Owner or DB Contractor
- g. Approximate Construction Cost in USD
- h. Approximate Value in USD of the Firm's Services Provided
- i. Descriptions of work/features relevant to the Rio Indio Project
- j. Cross-Reference Projects to Key Personnel Experience (refer to Section 4.3)
- k. High level organizational structure provided by the firm
- l. Compliance with international social and environmental standards

The Firm's experience with large civil works projects using design-build method should be highlighted.

4.3 KEY PERSONNEL EXPERIENCE

It is requested that interested firms submit qualifications of key personnel related to project management, engineering services, and construction management of projects with similar scope to that of the Rio Indio Project. A preliminary list of key personnel is provided below, this list is not comprehensive, and firms are encouraged to provide multiple qualifications for each and submit additional personnel deemed significant to the services described herein:

- Senior Project Manager,
- Senior Design Manager,
- Senior Cost Estimator,
- Senior Project Schedule/Controls Specialist,
- Design-Build Contract Specialist,
- Contract Dispute Legal Specialist,
- Senior Construction Engineer,

- Senior Tunneling Engineer,
- Senior Dams Engineer (RCC),
- Senior Dams Engineer (Embankment),
- Senior Concrete Materials Expert,
- Senior Engineering Geologist
- Social-Environmental Specialist
- Resident Engineer,
- Quality Assurance Manager,
- Quality Assurance Laboratory Manager,
- Occupational Health and Safety Officer,
- PMIS IT Support personnel

It is requested that the firm submit the personnels' years of relevant experience, credentials, and other information related to similar projects and features of work to the Rio Indio Project. Experience with large civil works projects using design-build method should be highlighted.

4.4 Rough-Order Cost Estimate

It is requested that the firm provide a cost estimate per phase listed in section 3 for ACP's planning purposes.

5. GENERAL TERMS

- a) **Reserved Information:** Please note that this process is strictly confidential, and the information provided by these means, as well as any other exchange of information, must be treated in the same way. All information pertinent to the Rio Indio Project and other complementary structures of the ACP is classified as reserved information. The availability of reserved information is subject to the signing of a confidentiality agreement. For this reason, the participants must handle all the information provided in a strictly confidential manner; implement adequate security measures to prevent this information from being disclosed; do not deliver or make public the information under reserve; keep and consider all confidential information as the property of the ACP; and keep this information in a safe place. All information pertinent to the Rio Indio Project and other complementary structures of the ACP is classified as reserved information. The availability of reserved information is subject to the signing of a confidentiality agreement.
- b) Additionally, no portion of the information contained in this document, or other documents produced due to exchanges between both parties should be considered as an acceptance or evaluation by the ACP of documents required for future contracts, nor should they create award expectations. Any future process that the ACP issues related to this, or other studies will be formally announced at the appropriate time.
- c) **Point of Contact:** Any clarification regarding the market study should directly contact Mr. Rigoberto Delgado, email: RHDelgado@pancanal.com.
- d) **Deadline:** Interested firms must ensure that all the information requested through this application is delivered before March 1, 2025.