

TRANSPORT BOARD

EXPRESSION OF INTEREST

Engineering Consultant – Transport Board Electric Bus Project

The Transport Board invites Expressions of Interest for an Engineering Consultant for a period of **twelve months** commencing **1st January 2020 to 31st December 2020**.

Responsibilities of the Consultant

1. Responsibility for the overall technical interest of the Transport Board (TB) for the duration of the implementation of the electric bus-charging infrastructure at all of the relevant sites.
2. Liaise with relevant stakeholders on behalf of the client in accordance with the requirements of the Technical and Implementation Committee. Stakeholders include but are not limited to:
 - a. Town and Country Planning Department (TCPD)
 - b. Government Electrical Engineering Department (GEED)
 - c. Barbados Light & Power Company Limited (BLPC)
 - d. Ministry of Transport Works and Maintenance (MTWM)
 - e. Ministry of Energy and Water Resources (MEWR)
3. Prepare applications to relevant regulatory agencies on behalf of the client.
4. Responsible for quality assurance and ensuring that designs and work are executed in accordance with relevant standards and regulations.
 - a. GEED/NEC Code
 - b. NESC Code
 - c. BLPC Requirements Booklet
 - d. Any other relevant standards/regulations
5. Advise on material quantities and specifications for the project.
6. Liaise with Original Equipment Manufacturer (OEM) and advise on equipment specifications.
7. Review equipment specifications and ensure it meets the requirements of the client (TB and the Technical and Implementation Committee) along with other key stakeholders including regulatory bodies and Barbados Light and Power Company Limited
8. Ensure design meets current and future requirements of the client
 - a. Current and Future E-bus quantities
9. Work closely with all stakeholders to ensure the project is delivered within the timeframe proposed by the Implementation Committee.
10. Assist the Technical Implementation Committee with the sub-contractor selection process.
11. Assist Project Manager (TB) with detailed budgeting and costing for project execution.
 - a. Preparation of financial statements for project
12. Attend all Project Meetings and advise on specific project requirements.

13. Report to Project Manager, Technical and Implementation Committee on project status and provide updates on any other factors affecting project implementation.
14. Liaise with OEM on commissioning of equipment.
15. Supervision of relevant contractors working on the project.
16. Design of electrical and communication systems and associated civil works in accordance with relevant local standards and regulations
 - a. Detailed layout drawings
 - b. Detailed electrical, communications, mechanical and civil engineering drawings for project implementation
 - c. Other relevant designs and drawings for regulatory applications and grid interconnection
 - d. Revisions to drawings and designs based on project changes and changes in scope as determined by Project Manager and Implementation teams.
 - e. Preparation of Bill of Quantities/Materials for the project
 - f. Preparation of a power contingency plan (backup generation)
 - g. Payment due on delivery by the consultant and acceptance by the Transport Board of deliverables

Experience/Requirements of Consultant

- a. Experience as a consultant on large engineering projects. Provide proof and references for recent projects of similar complexity managed within the last five years
- b. Must be Registered Engineer. Consultant should produce a recent CV detailing engineering background.
- c. Project Management Experience. Provide evidence of recent projects
- d. Experience designing and project managing complex engineering systems
- e. Flexibility to supervise/oversee work being executed concurrently at multiple locations. Composition of proposed project team should be provided along with recent CVs of each team member.
- f. Evidence of the financial stability of the consultant. Provision of the last three years audited financial statements.

Each Expression of Interest must be submitted in a sealed envelope marked "Expression of Interest – Transport Board Electric Bus Project" to the Project Manager, Implementation Committee – Transport Board Electric Bus Project, Transport Board, "Weymouth", Roebuck Street, St. Michael. Expressions of Interest should be submitted not later than 4:00 p.m. on Friday, 13th December, 2019.

Envelopes should not bear the name of the tenderers. Further information can be obtained from the General Manager on application.

The Board does not bind itself to accept the lowest of any Expression of Interest.