THE URBAN DEVELOPMENT CORPORATION OF TRINIDAD AND TOBAGO LIMITED (UDeCOTT)

REQUESTS FOR PROPOSALS

DESIGN BUILD SERVICES FOR THE OLERA HEIGHTS COMMUNITY CENTRE

The Urban Development Corporation of Trinidad and Tobago Limited (UDeCOTT) invites suitably qualified and experienced entities to submit proposals for **THE DESIGN BUILD SERVICES FOR THE OLERA HEIGHTS COMMUNITY CENTRE**.

INSTRUCTIONS FOR PURCHASE OF RFP PACKAGE

The tender process for this project will be conducted via UDeCOTT's E-Tender System. To register or access the E-Tender System go to https://udecott.etenderworld.tt/login.php.

Should you encounter any technical difficulties in accessing or using the system, you are to immediately contact our IT Helpdesk at 225-4004 ext. 206 or etenderhelpdesk@udecott.com, carbon copying the Secretary of the Tenders Committee at tendersecretary@udecott.com.

The RFP package will be available for purchase from **October 31, 2022**. To download the RFP package, you will be required to select and purchase the RFP **via online payment**. The cost of the RFP package is **$2,500.00 VAT Inclusive**.

INFORMATION SESSION AND SITE VISIT

An **Online Information Session** will be held **via Microsoft Teams** on **Friday November 4, 2022 at 10:00 a.m.** A **Site Visit** will be held on **Tuesday November 8, 2022 at 10:00 a.m.** Interested parties are kindly asked to confirm their availability, together with the **names and preferred email addresses** of their representatives who will be in attendance, via email to tendersecretary@udecott.com.

SUBMISSION

Proponents are advised that submissions must include ALL the documents as set forth in the RFP and must be in accordance with the terms therein.

Failure to do so may result in disqualification.

Proponents are advised that **only PDF** files can be uploaded onto the E-Tender platform. The responsibility for file conversion resides with the Proponent and failing to submit proposals in PDF format may result in disqualification.

The deadline date for submissions is **November 28, 2022 at 2:00pm (AST)**.

Additional information may be requested through email forwarded to the attention of **The Secretary, Tenders Committee** at tendersecretary@udecott.com.

UDeCOTT reserves the right to reject any or all proposals for failure to comply with any mandatory requirements stated in the RFP.

SECRETARY, TENDERS COMMITTEE

BACKGROUND

UDeCOTT, on behalf of the Ministry of Sport and Community Development, is desirous of completing the Design-Build/Construction Services for the Community Centre. In this regard, UDeCOTT wishes to retain the services of a qualified, experienced and competent Design Build Contractor to perform design and works in accordance with the Scope and Specifications. The preferred proponent is expected to provide full designs, construction documents and specifications for all statutory approvals and construction. The format of implementation will be a Design Build Contract.

Sites will be revaluated and the main access to the site and parking will be determined by UDeCOTT and the Client Ministry. The facilities will comprise of a main assembly hall and a combination of outreach activity spaces will be all located within a single facility. Single or two storey building. As a guide and in instances where the available land area is less than 1,859 m2, it is recommended that a two storey structure be constructed.

DESIGN-BUILD CONTRACTOR RESPONSIBILITIES

1. Preparation of site surveys to determine the exact conditions of the Project Site and any other investigative surveys or assessments that may need to be completed as part of its proposal.
2. Preparation and submission of Designs and Drawings (Architectural, Civil/Structural Engineering, Mechanical, Electrical Engineering and Plumbing). Designs and drawings shall be completed to a level of detail, adequacy and completeness
3. As-built drawings
4. Product Specifications
5. Statutory Approvals (Fire, Electrical, WASA etc.)
6. Project Programme & Works Scheduling
7. Project Insurances
8. Project Delivery
9. Contract Management
10. Subcontractor Coordination and verification of works
11. Temporary hoarding of the site including gateway for vehicular and pedestrian access and maintenance of access throughout the duration of the project
12. Temporary Utilities as required for the project site.
13. Health Safety, Security and Environmental Management during the works inclusive of Covid-19 management protocols
14. Site Waste Management and disposal
15. Furnishing all labour, materials, tools, equipment, and services necessary for the successful completion of the construction of the project as stated in the RFP and the BOQ, and in accordance with the approved drawings, specifications and defined requirements.
16. Preparation and submission of as built drawings, equipment guarantees/warranties, equipment manuals, test certificates.
17. Ensure all design are reviewed by UDeCOTT and the End User

18. Ensure a copy of all project drawings are issued to UDeCOTT
19. Ensure all product data/specifications are submitted to UDeCOTT for review
20. Where applicable, ensure that methodologies associated with Notice to Correct are submitted for UDeCOTT non-objection
21. Provide site office accommodation for the Engineer for the duration of the Project.
22. Familiarization of the Site surroundings/Environs so as to ensure Tendered sum includes for all reasonable associated security risks.
23. Testing (for example Concrete Testing) is to be completed by an independent testing agency.

The Contractor shall provide site offices for use by the Employer and the Engineer. The Contractor may locate the site offices on the Site at the Contractor's discretion. The provisions of the site office facilities will be provided at no cost to the Employer and must comply with the Laws.

The site building shall be as follows:

a) 1 site office, 12' x 16' minimum with air conditioning used by the Engineer and Employer;
b) Access to 1 toilet room for the exclusive use by the Engineer and the Employer;
c) The site office, equipment and furnishings shall be maintained by the Contractor in a clean and orderly condition, which includes washing of the floors, bathrooms and trash removal at least twice per week;
d) The site offices and toilet room for the Engineer shall be equipped with keyed locks and the Contractor shall furnish a sets of keys to the Engineer;
e) The site offices for the Engineer shall be furnished with the following furniture, fittings and equipment for the whole duration of the Works:
    - 2 (two) desks and 2 (two) deluxe chairs with swivel base on casters and adjustable arms, 2 (two) visitors chairs
    - 1 (one)white board, wall mounted, 36" x 48"
    - 1 (one) multifunction copier machine (copy, print, scan and fax) RICOH Aficio MP1600L or equivalent. The equipment is to be maintained for the duration of the project (supply of inks, cartridges and paper at the Contractor's cost)

- 1 (one) mini-refrigerator 4 cubic feet capacity 33"H x 18"W x 20"D
- 1 (one) water cooler to receive 18 litres bottled water (supply of paper cups and bottled water at the Contractor's cost)
- Independent high-speed internet access.
- All furniture, fittings and equipment shall be in good shape and commercial grade. All temporary structures, facilities and arrangements shall be removed by the Contractor at the completion of the Works.
- One Tablet with the following minimum specification:
  - Operating System: Android 10.0 or above
  - Screen Size: 10 or above
  - Touchscreen: Yes
  - Pen/stylus : Yes
  - Processor: Qualcomm SDM865 Plus
  - Processor Speed: Octa Core (1x3.09GHz + 3x2.4GHz + 4x1.8GHz)
  - RAM: 8GB (RAM)
  - Internal Memory: 512GB
  - Micro SD Slot: Yes
  - Cameras: Rear: 10MP or above, Front: 8MP or above
  - External Memory: 8,000mAh or Higher
  - Network: 5G or Wi-Fi (802.11 a/b/g/n/ac/ax 2.4G + 5GHz)
  - Bluetooth: Yes
  - Speakers: yes

NOTE: The Tablet remains the property of UDeCOTT, following the completion of the project.

DESIGNS

Concept

The concept approach to the design of the facility is to place the more frequently used outreach programs in one zone or module while allowing the hall to remain as an independent module. This gives all the community members greater access to the more critical services offered by the proposed programs. Part of the design intent is to allow equal access to all areas of the facility while maximizing flexibility, and controlling maintenance and operating costs. In order to bring an awareness of the environmental issues and conservation practices, the centre by its design should demonstrate energy conservation in its approach to the use of natural lighting. The large overhangs and buffer zones between the main volumes will significantly reduce the cost of cooling.

Given that the construction cost represents a significant investment in the community, proposed materials, finishes and equipment should be chosen with the view that maintenance and long term operation of the facility is the responsibility of the community itself. Therefore, easy replacement and ongoing upgrade of specific speciality rooms must be looked at carefully. It is intended that the facility be used as a change agent for the positive upgrade of skill sets across a wide generational range. In order to maximise the social interaction between the widest range of users, generous public porches and breakout zones form an integral part of a" Community bonding experience".

Flexibility of use is an important part of the design of the facility; all areas are intended to change and adapt to the needs of the community. Therefore the offices can become consultation areas by changing the furniture configuration. All lobbies and covered porches can be used for informal exhibitions and casual events.

By locating the audio- visual areas adjacent to the computer lab and administration offices, security issues will be better served since these represent the higher risk areas. The entire facility must be designed as a modern resource centre with access to Wi-Fi and virtual libraries.

Since retraining will eventually become a normal part of our times, this centre will likely be the first intervention space to that the community seeks. In the event of any national emergency. The centre is also expected to play a major role in relief efforts, to this end, all local, regional and international building codes must be adhered to.

Amenities

The community centre's design should include the following facilities:

1. Parking arrangement for min. 19 vehicles and integrated landscaping.
2. Security Booth and Access. Security booth to include an appropriately sized washroom facility, inclusive of exhaust fan(s).
3. A Link between the Community and various Empowerment Outreach Programmes.
4. Provision of a Community Gym, with access isolated from the Community Centre and change rooms with showers
5. A Teaching Kitchen with allowances for two stoves (one electric and one gas). Additionally, supply and installation of 200 pounds gas cylinders and system for the gas stove. Gas lines to be concealed. Commercial grade range hoods with ducted extractor system to be installed. Deep double basin stainless steel kitchen sink. Overhead and under counter cabinetry to be installed and comprised of 100% hardwood
6. Servery area with the provision of above counter outlets.
7. A Computer Room with the provision of minimum 12 No. stations and 1No. Admin desk (2' x 4')(purchased or fabricated). See Specifications for details.
8. Installation of a computer system integrated with a Communication Backbone.
9. Training Room - Installation of one (1) duplex electrical wall outlet for use with television and installation of six (6) duplex electrical floor outlets. Provision of CAT6 Ethernet. Purchase and installation of locking system to secure wall-mounted 60" television. Provision of tv and pulling of one (1) HDMI cable from television mount location through floor to reception desk
10. Provision of a Community column free Multi-Purpose Hall (275-300) theatre style seating capacity). The hall should include a stage containing 4No. electrical outlets and 2 No. communications outlets to the front, Male and Female Back stage change rooms (inclusive of toilet and shower). The other walls in the auditorium should also contain 1No.

electrical outlet and 1 No. communications outlet each. There shall be an alternative access to the back stage changing rooms. Backstage flooring should be at the same elevation as the stage. Wheel chair ramp to stage located to the side of stage or concealed. Teak stage flooring with a minimum stage depth of 11 feet.

11. AV Control Room with operable window in direct line of sight to the stage. Provision of desk and mixer board and shelving for the storage of the sound system equipment in the AV Control room.
12. ICT Access Patio – Provision of finishes, fixtures and furniture as per the Specifications.
13. A Security System - Ensure no blind spots. Cameras to be located externally, within corridors and in the carpark. Cameras 4MP and higher. Keypad access to be on UPS (minimum 1 hour). Keypad access to be provided in the Computer lab, Administrative Office, Control Room and three (3) other areas as confirmed by the Client. An additional request to exit button for keypad access to be installed at a lower level at the location of the Manager's desk in the Administration Room and Admin desk in the Computer Room. Monitors to be located in the Administrative Office or Security desk (as confirmed by the Client) with drops to be provided in both areas to allow for a change in location of the monitor by the Client.
14. Upgradable commercial grade Wi-Fi capabilities.
15. Provision of four (4) communication outlets (CAT6 Ethernet cables) to ceiling height end points around the compound with other end at Network Cabinet for use with wireless access points and cameras (placement to be provided).
16. Provisions for all physically challenged members of the Community (see Specifications)
17. Fire Detection and Suppression System
18. Utilities Management System with an Energy Data feature.
19. Administration Office for two persons with separate space between manager and admin. Office to be located at the front of the facility, in close proximity to the lobby area.
20. A Resource Library or Multipurpose room
21. Waste Disposal Area within premises.
22. Staff Offices
23. Storage areas to hold a minimum 300 chairs and 10 tables
24. Washroom Facilities with provision of exhaust fans
25. Laundry room

26. Janitorial room with an appropriate Janitorial sink (see Performance Specification).
27. A clearly defined and controlled perimeter (medium security fencing, gates electronic access control);
28. External Waste Disposal Area integrated in the fencing, to be accessible both internally and externally of the premises
29. Secured parking area for minimum of 25 vehicles with 3 spots that are ADA compliant.
30.
31. Tank Farm (secured)with an aesthetically pleasing finish. Covered housing for pumps and heater.
32. 100% back up power (Standby Generator) with fuel capacity for a minimum of eight (8) hours
33. Signage (for all internal rooms and External). Signage schedule to be approved by the Client.
34. LED Lighting fixtures
35. Sound and PA System, and Stage lighting (see Specifications below)
36. Integrated landscaping. Grassed areas at the site driveway entrance, at the access staircases and along the existing perimeter fence to be trimmed where required and enhanced.
37. Site Drainage. Box drains located within the premises to be covered.
38. Solar external lighting
39. The existing access staircases to the site to be pressure washed and concrete areas enhanced. The existing handrails around the site to be prepared, primed and repainted.

Design Requirements

Preparation and submission of Designs and Drawings (in accordance with the "Design-Build Proposal /Approach") shall include the following: -

1. Designs and drawings shall be completed to a level of detail, adequacy and completeness which will be acceptable for submission to the Town & Country Planning Division (TCPD) to meet the requirements for Final Approval.
2. Technical Specifications (Materials and Workmanship, Codes)
3. Listing, Description and Layout of proposed basic furniture, fixtures and equipment.
4. Cut sheets for all plumbing, electrical, HVAC, IT, equipment, fittings and fixtures and any special architectural features
5. Architectural and Engineering Designs and Drawings (plans, elevations, sections and details) shall include as required but not be limited to the following:

f) Site Plan –

- Site plan of the project showing location of applicable buildings, drives, and major mechanical equipment, parking and landscape elements.
- Clear delineation of the project limit lines
- Preliminary spot elevations
- Primary spot elevations
- Existing utilities
- Proposed utilities
- Site drainage
    - Site sections as needed to explain overall relationships
    - A coordinated drawing of the infrastructural elements

g) Garbage Collection and Disposal systems

h) External Perimeter Fencing (medium security fencing)

i) Security Booth (main entrance location)

j) Building Plans

- Plans of all floors showing proposed structural system and structural elements, vertical shafts, interior partitions, floor elevations
- Key dimensions, bay sizes and overall dimensions
- General notes indicating major extent of materials and any special conditions or equipment
- Overhead items noted
- Building sections keyed
- Key Project limit lines noted if not otherwise clear
- Independent access to male and female public washroom
- Preliminary finish schedule
- Area summary

k) Roof Plan

- Major roof-mounted MEP equipment and openings
- Roof Framing, Structural and Finishing Details

l) Building Sections

- Major vertical heights
- Ceiling heights
- Typical wall sections keyed

m) Building Elevations

- All elevations with extent of glazing, façade and finishes detailed.
- Minor elevations if they contain significant items (loading docks, bridges, etc.)
- All materials called out in notes
- Floor lines indicated
- Overall dimensions
- Set-backs and overhangs indicated
- Relationship to existing and finished grade clearly shown

n) Structural

- Comprehensive evaluation, analysis and design report of the

proposed structural building systems and elements.

- Structural system description of any applicable alterations
- One line drawing of any applicable floor and roof framing plans
- Typical member sizes noted
- Structural Details of all connections and special conditions (large spans, cantilevers, etc.)

o) MEP

- Comprehensive evaluation, analysis and design reports of the proposed MEP systems
- External MEP equipment must not detract from the front facade of the building
- Preliminary system selection
- Energy sources identified, entrances noted on architectural drawings
- Equipment requirements included in architectural drawings
- Utility corridors and risers spaces sized and indicated on architectural drawings
- Special features noted on electrical drawings
- One-line system schematics over architectural plans
- Mechanical - Air Conditioning System, Ventilation
- Electrical
- Main Infrastructure – Power and Telecommunications
    I. Supply & Distribution System
    II. Lighting – Internal and External systems
    III. Power Systems
    IV. Telecommunication System - telephone, internet and television service.
    V. Information Technology Systems
    VI. Fire Alarm System
    VII. Security System
- Plumbing

I. Potable Water System Potable Water Booster Pump
II. Water Storage
III. Pipework
IV. Hot water System
V. Sanitary Waste and Vent System
VI. Sanitary Fixtures

6. All designs shall be prepared in accordance and in compliance with the guidelines, regulations and statutory requirements of all Governmental Statutory and Regulatory Agencies, which include:

a) Town & Country Planning Division (TCPD)
b) Water and Sewerage Authority (WASA)
c) Trinidad and Tobago Electricity Commission (T&TEC)
d) Port of Spain City Corporation
e) Local Health Authorities
f) Ministry of Works and Transport (MOWT - Designs Branch, Highways and Drainage Division
g) Division, Traffic Management Branch and other applicable Divisions)
h) Regional Corporations
i) Trinidad and Tobago Fire Services
j) Environmental Management Authority (EMA)
k) Telecommunications Services of Trinidad & Tobago (TSTT)
l) Cable Company

7. The Proponent shall assume full responsibility for the professional quality, completeness, accuracy and co-ordination of all design documents and its conformance with all applicable laws, rules, regulations and orders governing said work.

8. All design documents (including drawings, plans, schedules, equipment manuals etc.) shall describe with specificity all elements, details, components, materials, and other information necessary for the complete construction of the Works and the delivery of the Works fully functional and operational for its intended purposes, including compliance/satisfaction of all testing, permitting, qualifications, certifications, validations, and obtaining regulatory certification and approvals by all applicable regulatory authorities required to render the Project and all its components operational and functionally and legally usable for their intended purpose.
9. The Proponent shall perform all Design Services described in, contemplated by, inferable from, or necessary or desirable to achieve the objectives specifically stated in the Scope of Works and in the Employer's requirements and the Contract, including all Design Services necessary for the Project to be properly constructed by the Contractor and used by the Employer in accordance with all applicable guidelines, requirements and standards.
10. All design and construction documents shall be prepared using the English (metric) system, unless otherwise specified in the Contract.
11. Design services shall be performed by licensed design professionals. The standard of care for architectural and engineering services performed shall be the highest degree of care and skill used by design professionals practicing under the same time and locality conditions
12. As-built drawings for architectural, Civil/Structural Engineering, Mechanical, Electrical Engineering and Plumbing
13. The proposed codes and standards to be used in the designs include the following:

ARCHITECTURAL DESIGNS

PLANNING	• Town and Country Planning Regulations • Regional Corporation Regulations
BUILDINGS/ STRUCTURES	• International Building Code (IBC) 2015. • Caribbean Uniform Building Code (CUBIC) • AWPA U1 – User Specification for Treated Wood: 2012 • American Society of Civil Engineers code ASCE-7-05 • International Building Code (IBC) for earthquake loading using equivalent static analysis and compared to CUBIC. A peak ground acceleration of 0.4g shall be used. • American National Standards Institute (ANSI) • American Concrete Institute ACI 318 • American Institute of Steel Construction (AISC manuals) • ASHRAE Standard 189.1
LIFE SAFETY	• NFPA 101-2015 – Life Safety Code • NFPA 1-2015 – Fire Code
UNIVERSAL ACCESSIBILITY	• Accessible and Usable Buildings and Facilities ANSI A177.1:2014
SUSTAINABILITY	• LEED v4 Guidelines
LOCAL REGULATIONS	• GORTT Office Outfitting Policy • The Occupational Safety and Health Act 1, 2004 as amended 2006

STRUCTURAL ENGINEERING DESIGNS

VERTICAL LOADS	• American Society of Civil Engineers (ASCE): ASCE 7-05 Minimum Design Loads for Buildings and Other Structure
EARTHQUAKE LOADS	• ASCE 7-05 and International Building Code (IBC) 2009 - (Refer to Seismic Research Unit website http://www.uwiseismic.com/Maps.aspx for Hazard Maps of Trinidad and Tobago -2475 year Return Period)
WIND LOADS	• ASCE 7-05 (Trinidad 117mph, Tobago 130mph – 3 sec. Gust for Trinidad and Tobago)

REINFORCED CONCRETE	• American Concrete Institute (ACI): ACI 318-08 or latest Building Code Requirements for Structural Concrete
STRUCTURAL STEEL	• American Institute of Steel Construction (AISC): Manual of Steel Construction (Load & Resistance Factor Design), Specification for Structural Steel Buildings (AISC 360-10), • AISC 341 – 10 including Supplement No. 1 dated 2006 (Seismic Provisions for Structural Steel Buildings • AISC 358 - 10 including Supplement No. 1 dated 2009 (Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications
STRUCTURAL MASONRY	• ACI 530-05 / ASCE 5-05 / TMS 402-02
STEEL REINFORCEMENT	• ASTM A615 GR 60 – Fy = 60 ksi, Fu = 75 ksi
STRUCTURAL STEEL MATERIAL:	• ASTM A992 – Fy = 50 ksi (Wide Flange and Hot Rolled Sections) • ASTM A36 – Fy = 36 ksi (Plates)
OTHER STANDARDS	• ASTM – American Society for Testing and Materials

IMPORTANT NOTE:	• The structural designs should comply to the Ministry of Works and Infrastructure latest Structural Design Guidelines for Trinidad & Tobago
	• All structural drawings should be stamped and signed with a registered
	• Civil / Structural Engineer's Board of Engineers' stamp of T&T.
	• All designs must be accompanied by structural design calculations which must include the following:
	  ○ Design Data Sheet
	  ○ Design Methodology Sheet with assumptions made in the modelling of the structure.
	  ○ Drawing of the complete mathematical model used in the structural (manual or computer) analysis.
	  ○ Clear input and output data.
	  ○ An electronic copy of the computer structural model.

LOCAL REGULATIONS	• Trinidad and Tobago Standard - Recommendations for the Design of Building – TTS 16 90 400 (1978) • National Building Code of Trinidad & Tobago • BAPE WIND CODE (1981) • Wind Speed Maps for the Caribbean for Application with the Wind Load Provisions of ASCE 7 shall be used to determine reference velocities as defined in ASCE 7.

MECHANICAL AND ELECTRICAL ENGINEERING DESIGNS

ELECTRICAL

- ANSI C37.13 – 2015 Standard For Low-Voltage AC Power Circuit Breakers Used In Enclosures
- ANSI C37.14 - 2015 Standard for DC (3200 V and below) Power Circuit Breakers Used in Enclosures
- ANSI C57.12.00 – 2010 Standard For General Requirements For Liquid-Immersed Distribution, Power, And Regulating Transformers
- ANSI C57.12.01 – 2015 Standard For General Requirements For Dry-Type Distribution And Power Transformers
- ANSI C63.12 – 2015 Standard Recommended Practice For Electromagnetic Compatibility Limits And Test Levels
- ANSI C80.1 - 2015 Electrical Rigid Steel Conduit
- ANSI C80.3 - 2015 Electrical Metallic Tubing - Steel (EMT-S)
- ANSI C80.6 - 2018 Electrical Intermediate Metal Conduit

HVAC

- ASHRAE Handbook—HVAC Applications, 2019
- ASHRAE Handbook—HVAC Systems and Equipment, 2020
- ASHRAE 55 – 2017 Thermal Environmental Conditions for Human Occupancy
- ASHRAE 62.1 - 2019 Ventilation for Acceptable Indoor Air Quality
- ASHRAE 90.1 - 2019 Energy Standard for Buildings except Low-Rise Residential Buildings
- ASHRAE Standard 90.4 - 2019 Energy Standard for Data Centers
- ASHRAE Standard 170 - 2021 Ventilation of Health Care Facilities
- ASHRAE Standard 185.1 - 2020 Method of Testing UV-C Lights for Use in Air-Handling Units or Air Ducts to Inactivate Airborne Microorganisms
- ASHRAE Standard 202-2018 Commissioning Process for Buildings and Systems
- ASHRAE 2020 Smart Grid Application Guide: Integrating Facilities With The Electric Grid
- ASME A17.1 / CSA B44 – 2019 Safety Code for Elevators and Escalators

PLUMBING AND MECHANICAL	• ASME B31 – Standards of Pressure Piping • ASME B31.3 – 2020 Process Piping • ASME B31.8 - 2018 Gas Transmission and Distribution Piping Systems • ASME B31.9 – 20120 Building Services Piping • ASME B31.12 - 2019 Standard on Hydrogen Piping and Pipelines • Health Technical Memorandum 01-01 Management and Decontamination of Surgical Instruments (medical devices) used in Acute Care • Health Technical Memorandum 02-01 Medical Gas Pipeline Systems • Health Technical Memorandum 03-01 Specialized Ventilation for Healthcare Premises • Health Technical Memorandum 04-01 Safe Water in Healthcare Premises • Health Technical Memorandum 08-02 Lifts • ICC IFC 2021 International Fire Code • ICC IPC 2021 International Plumbing Code • ICC IMC 2021 International Mechanical Code • ICC IFGC 2021 International Fuel Gas Code • ICC IECC 2021 International Energy Conservation Code • ICC IPSDC 2021 International Private Sewerage Disposal Code • ICC ISPSC 2021 International Swimming Pool and Spa Code • ASME B16 – Standards of Pipes and Fittings • ICEA Class H Flexible Cables • IEEE 730 Software QA Plans • IEEE 830 Recommended Practice for Software Requirements Specifications • NFPA 10 – 2018 Standards on Portable Fire Extinguishers • NFPA 13 – 2019 Standard for the Installation of Sprinkler System • NFPA 14 - 2019 Standard for the Installation of Standpipes and Hose Systems • NFPA 15 – 2022 Standard water spray fixed systems for fire protection • NFPA 17 – 2021 Standard for Dry Chemical Extinguishing Systems • NFPA 17A – 2021 Standard for Wet Chemical Extinguishing Systems • NFPA 20 – 2019 Standard for the Installation of Stationary Pumps for Fire Protection • NFPA 22 – 2018 Standard for Water Tanks for Private Fire Protection

- NFPA 24 – 2022 Standard for the Installation of Private Fire Service Mains and Their Appurtenances
- NFPA 45 – 2019 Standard on Fire Protection for Laboratories Using Chemicals

LIFE SAFETY

- NFPA 54 – 2021 National Fuel Gas Code
- NFPA 58 – 2020 Liquefied Petroleum Gas Code
- NFPA 59 – 2021 Utility LP-Gas Plant Code
- NFPA 59A – 2019 Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)
- NFPA 70 – 2020 National Electric Code
- NFPA 72 – 2019 National Fire Alarm and Signalling Code
- NFPA 75 – 2020 Standard for the Fire Protection of Information Technology Equipment
- NFPA 88A – 2019 Standard for Parking Structures
- NFPA 90A – 2021 Standard for the Installation of Air-Conditioning and Ventilating Systems
- NFPA 91 – 2020 Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids
- NFPA 92 – 2021 Standard for Smoke Control Systems
- NFPA 99 – 2021 Health Care Facilities Code
- NFPA 101 - 2021 Life Safety Code
- NFPA 110 – 2022 Standard for Emergency and Standby Power Systems
- NFPA 111 – 2022 Standard on Stored Electrical Energy Emergency and Standby Power Systems
- NFPA 418 – 2021 Standard for Heliports
- NFPA 780 – 2020 Standard for the Installation of Lightning Protection Systems
- NFPA 820 – 2020 Standard for Fire Protection in Wastewater Treatment and Collection Facilities
- NFPA 900 – 2019 Building Energy Code

LOCAL REGULATIONS

- Requirements of the OSH Authority in accordance with the OSH Act 2004 with amendments of 2006
- Requirements of the EMA of Trinidad and Tobago & Water Pollution Rules 2019
- Requirements of the Trinidad and Tobago Fire Service (TTFS), Ministry of National Security of Trinidad and Tobago
- Requirements of the Electrical Inspectorate Division, Ministry of Public Utilities of Trinidad and Tobago

- Requirements of the Public Health Department in accordance with the Public Health Ordinance Act
- SMACNA HVAC Duct Construction Standards
- The National Plumbing Code of Trinidad and Tobago
- Trinidad & Tobago Electricity Commission Wiring for Light & Power 8th Edition
- Trinidad & Tobago Electrical Wiring Code Part 1 - Low Voltage Installations (TTS 171: Part 1: 2015)
- Trinidad & Tobago Electrical Wiring Code Part 2 - High Voltage Installations (TTS 171: Part 2: 2002)
- Trinidad & Tobago Electrical Wiring Code Part 3 – Renewable Energy Systems and Interconnection Requirements (TTS 171: Part 3: 2011)
- Workplace Design – Lighting of Indoor work places – Specification (TTS 611-2008)
- Water and Sewerage Authority Guidelines for Design and Construction of Water and Wastewater Systems in Trinidad and Tobago

Testing

Testing will be carried out in accordance with the tests/inspections described in the Quality Control Plan and the Technical Specifications (Materials and Workmanship). The Proponent shall always ensure that materials and equipment are examined and tested for compliance with the specifications and quality control is then performed at the recommended frequency. Materials must be tested for compliance with stipulated specifications both at source and once it is delivered to site.

The Proponent shall prepare and submit a description of all the relevant tests and time periods for the testing of Materials and Works. These include but are not limited to steel reinforcement bar, reinforced concrete, masonry, structural steel, welding.

Workmanship Compliance Checks will include:

a) checking, inspecting, examining and measuring;
b) trials and demonstrations;

c) tine testing carried out by manufacturers and suppliers in compliance with a specified standard or specification; and
d) testing of equipment (air conditioning units, transformers, generators etc.)

All materials used or supplied shall be accompanied by valid and approved material certificates, tests and inspection reports. The minimum extent of examination and testing to be carried out and the acceptance levels/codes shall be specified by suppliers in the purchase order and/or subcontract documents.

An inspection schedule/plan shall be developed by the Proponent for procured equipment and materials. The Proponent's Construction Inspectors and Construction Supervisors shall carry out inspection surveillance activities. These include but may not be limited to; witnessing tests, verifying documentation and inspections/examinations. From these activities, reports shall be developed recording progress, findings, non-conformance and resolutions.

Materials, fitting and fixtures shall be inspected by the Proponent, upon receipt from the suppliers, for compliance with the technical requirements and regulations, including availability of required documentation and markings. If materials and/or documents do not comply, then they shall be clearly identified and if possible, segregated until further action is determined. Material deliveries shall be checked against shipping documents (dispatch note, freight note, and delivery receipt) for type and quantity, and for obvious transport damage, and to ensure that markings correspond to the order specification.

A Material Receiving Notice (MRN) shall be completed if the checks are satisfactory. Material that has been checked and accepted shall be stored according to type and class of material so as to effectively prevent damage and/or error of use. Sub-Consultants and Sub-Contractors shall be required to assign qualified/experienced inspection personnel to carry out all required examinations and tests in accordance with an agreed quality plan (inspection and test plan). These activities shall be carried out

in accordance with the agreed procedures and guides and result in the appropriate reports. The Proponent's Construction Inspector and Construction Supervisor shall monitor the quality control activities of its Sub-Consultants and Sub-Contractors and carry out his own examination of material, equipment and documentation to the necessary degree to determine the state of acceptance.

The Proponent shall ensure that the Employer and/or inspection authorities are given sufficient notice to witness the final inspection and tests, if required (egg. Pressure testing of water lines, testing of elevators, generators, sewer lines). The Client shall retain the design rights and other intellectual property rights and copyright of all documents prepared by the Proponent in the course of the Proponent's engagement.

SPECIFICATIONS

Finishes

1. All interior and exterior walls are rendered and painted, while all interior floors to be as specified in the conceptual design package. In the absence of the specification in the concept, all floors should be porcelain tiles with special provisions for the appropriate rubber flooring to the gym. The rubber gym flooring to be a minimum of 12mm thick.
2. Carpentry and Joinery/Kitchen Cupboard: Teak wood with solid surface countertops
3. The floor to floor ceiling height should be a minimum of 10'-0" (also above the stage), since a large percentage of the ground floor areas are designed for group activities. The utility and toilet areas are 8'-0" high on both floors with moisture resistant finish of either 2' x 2' acoustical ceiling tiles or gypsum. However, the assembly hall must be designed to offer the highest possible closed board ceiling. Configuration of the ceiling must offer some acoustic control and temperature modulation. In this phase of the project the hall will be air conditioned, therefore all electric systems must cater for this installation. Ceilings in all areas must have heat barriers and insulation of R30. A Minimum eave of 3'-0" is required with natural cross ventilation in case of loss of power.
4. Windows: All windows shall be metal framed with integrated burglar proofing.
5. Doors are metal framed with tempered glass vision panels, and wired security glass in the administrative areas, computer labs, teaching kitchen, gym, control room and Auditorium. All doors are metal solid core doors throughout the facility.
6. All plumbing fixtures to be Armitage or equal and all bathrooms to be tiled with porcelain tiles on both floor and walls to 6' above finish floor.
7. Perimeter Fencing: High security
8. Vanities: metal or teak wood framing with Solid Surface Countertops
9. Toilet Partitions: Banyan series or other equally approved patent partitioning.

10. All paint systems shall provide a minimum of 5 years warranty that is subject to the Employer's approval including color scheme.

Sound and Stage lighting:

PA system with 2 Zone common areas paging with Opti voice capabilities Audio System Design

- The Public Address (PA) system shall be designed for sound reinforcement during assemblies and speeches and Performances.

Basic components of system

- Loudspeakers
- Subwoofer
- Digital mixer
- Audio snake
- Wireless microphones
- Wireless paging microphone
- Mixer power amplifier
- Flush mount ceiling speakers
- Portable speaker

Standard equipment list for Auditorium.
List of standard Auditorium System equipment

Item No.	Description	Quantity
1	Flexible array Loudspeaker	2
2	Dual 10" Powered Subwoofer	1
3	Digital Stereo 8 channel Mixer	1
4	Audio Snake	1
5	Wireless Microphones	2

List of standard PA System Equipment

1	Flush mount ceiling speakers with removable or rotatable badges		Quantity varies depending on size and number of rooms
2	Portable Speaker with rechargeable battery	1	
3	Mixer Power Amplifier	1	
	Wireless Paging Microphones	1	

Component Performance Specification

Loudspeakers shall satisfy the following minimum performance specifications: -

a. The Loudspeaker shall be a 1000-watt self-powered two-way, ported loudspeaker system utilizing Eight (8) mid/high-range drivers.

b. The Loudspeakers shall have a 12-inch LF high performance subwoofer. The enclosure shall be made of High impact composite materials with M8 threaded insert points.

c. The Loudspeaker shall have an integrated 2-channel mixer with independent level controls.

d. The Loudspeaker shall allow for control over its vertical coverage pattern by manual louvered adjustment with automatic changes to its internal EQ to maintain optimum tonal balance.

e. The Loudspeaker shall be designed for wall mount installation or suspended up to 20 ft high.

f. The Loudspeaker shall have a Nominal Dispersion of 100° H x 40° V with variable adjustments for the vertical axis.

g. The Loudspeaker input shall have a nominal rated impedance of 10 k ohms (10 kΩ)

h. The Loudspeaker shall have an Input Impedance of 2.2 kΩ (MIC), 10 kΩ (Line)

i. The Loudspeaker input connections will allow for direct connection XLR /1/4" XLR: Pin 1 (GND), Pin 2 (+), Pin 3 (-) 1/4" TS/TRS, (2) RCA

j. Exposed cosmetic surfaces of the Loudspeaker should be Black and the acoustically transparent grille component should be formed of powder-coated perforated steel.

k. Each Loudspeaker shall have a bandwidth of 43 Hz - 20 kHz and a maximum continuous acoustic output of 132dB SPL.

l. The Loudspeaker shall have an internal dynamic limiter with distortion at rated power being 0.1% Max (30 Hz - 15 kHz)

m. Dimension shall not exceed 664.66 mm x 334.3 mm x 372.5 mm (26.1" x 13.1" x 14.6")
n. Warranty shall be 5 years.

Subwoofer shall satisfy the following minimum performance specifications: -

a. The Subwoofer shall be a 1000-watt self-powered compact format system utilizing two ten (10') high excursion LF drivers. The enclosure should be made of High impact composite materials with high impact composite end caps.
b. The Subwoofer should be designed for installation in specialist localities including but not limited to House of Worships, Resorts and Hospitality venue.
c. The Subwoofer shall have a Polarity switch to adjust polarity of subwoofer for easy correction of low-frequency overlap between the main loudspeaker and subwoofer.
d. The Subwoofer shall possess line output EQ that sets the Subwoofer's output to a high-pass filter or full
e. Range, which allows for easy crossover selection when used with a main loudspeaker.
f. The subwoofer shall have a Dynamic Limiter.
g. The Subwoofer shall have a Nominal Dispersion being Omni-directional.
h. The Subwoofer input shall have a Cross over frequency within the range 40 – 100 Hz.
i. The Subwoofer input connections will allow for direct connection XLR /1/4" XLR: Pin 1 (GND), Pin 2 (+), Pin 3 (-) 1/4" TS/TRS,
j. Exposed cosmetic surfaces of the Subwoofer should be Black and the acoustically transparent grille component should be formed of powder-coated perforated steel.
k. Each Subwoofer shall have a bandwidth of 38 Hz – 250 Hz and a maximum continuous acoustic output of 130dB SPL,
l. The Subwoofer should have a dynamic limiter with distortion at rated power being 0.1% Max (30 Hz - 15 kHz)
m. Warranty should be 5 years.

Audio snake
a. The number of input connections should be at least 12.
b. The number of output connections should be at least 4.
c. The connections should be XLR: Pin 1 (GND), Pin 2 (+), Pin 3 (-)
d. The cable should be of suitable length to position the casing of the head at the back of the stage and the tail in the control room.
e. The head enclosure should be made of metal.

f. The connections should have numbered wires for identification at the tail end.
g. Warranty should be 5 years.

Wireless microphones

h. Working Range should be 91 m (300 ft) Line of Sight
i. Audio Frequency Response 50 to 15,000 Hz
j. Total Harmonic Distortion of Ref. ±33 kHz deviation with 1 kHz tone 0.5%, typical
k. Dynamic Range of 100 dB, A-weighted, typical
l. Audio Input Level should be max of -16 dBV, min (0 dB) +10 dBV
m. Input Impedance 1 MΩ
n. RF Transmitter Output 10 mW, typical
o. Power Requirements must be 2 LR6 AA batteries, 1.5 V, alkaline
p. Battery Life should be up to 14 hours (alkaline)
q. Receiver
r. XLR connector 200 Ω
s. 6.35 mm (1/4") connector 50 Ω
t. XLR connector –27 dBV (into 100 kΩ load)
u. 6.35 mm (1/4") connector –13 dBV (into 100 kΩ load)
v. RF Sensitivity
w. 105 dBm for 12 dB SINAD, typical
x. Power Requirements 12–15 V DC @ 235 mA, supplied by external power supply (tip positive)
y. Warranty should be 1 years.

Mixer Power Amplifier for Opti voice paging shall satisfy the following minimum performance specifications: -

a. The mixer/amplifier should employ Class-D amplification together with a digital signal processing architecture running at 48 kHz / 24 bit.
b. The mixer/amplifier should incorporate a switch-mode power supply allowing normal operation from AC outlets ranging from 100 – 240 V (±10%) at 50/60 Hz. The amplifier should have an IEC 320-C14 electrical power inlet and should be equipped with a removable power supply cord. A power switch should be located on the front panel.
c. The product should include protection from shorted loads and general overheating.
d. The mixer/amplifier's physical size should be 1 RU in height by 1 RU in width and be capable of rack mounting.
e. The product should have venting with a single fan, continuous left-to-right airflow. Each output channel should have output trim controls.

f. The mixer/amplifier should have two output channels with a frequency response of 55 Hz to 20 kHz (+0/–3 dB) and drive 70/100 V distributed audio systems.
g. The mixer/amplifier should have THD+N at rated power less than or equal to 0.3%. Output connections should be made via 2-pin touch-proof Euroblock connectors.
h. The mixer/amplifier should meet or exceed the following performance specifications: channel separation (crosstalk) less than or equal to –60 dB below rated power at 1 kHz and dynamic range of 88 dB.
i. The mixer/amplifier should incorporate 3 line-level inputs (two RCA stereo, one 3.5 mm stereo) and one microphone input for paging applications. Two of the line level inputs should be selectable via a switch on the front panel while the third input should override line input channels upon connection.
j. The nominal input sensitivity should be 0 dBV for line level inputs and -40 dBV for microphone inputs.
k. The microphone input should be mounted on the rear, support dynamic microphones and select telephone systems with PTT switching.
l. The paging microphone input should have automatic ducking capabilities activated via a selector switch on the rear panel.
m. The microphone input should bypass master volume control via a selector switch on the rear panel.
n. All inputs should have individual input gain controls with the exception of the 3.5 mm priority input connector on the front panel.
o. The mixer/amplifier should have an auxiliary line-output via two RCA connectors. The front panel should also have user-accessible treble, bass and master volume controls.
p. Warranty should be 5 years.

Flush mount ceiling speakers shall satisfy the following minimum performance specifications: -

a. The full-range loudspeaker shall contain a single full-range 2.25-inch transducer, low frequency range down to 83 Hz, and sensitivity of 86 dB SPL / 1 W @ 1 m
b. The full-range Loudspeaker shall meet the following performance specifications: On-axis system frequency response should be 83 Hz to 19 kHz (-10 dB) with the use of recommended active equalization.
c. The Loudspeaker sensitivity should be 86dB SPL in half-space environment with 1 W input at 1 meter.
d. The long-term power handling rating should be 20 W (AES test methodology using IEC system noise, 2-hour duration). Maximum continuous output shall be 99 dB SPL and the maximum peak output should be 105 dB SPL, both in half-space environment.

e. The nominal coverage pattern should be 160° conical at 1-4 kHz.
f. The Loudspeaker shall be constructed of an engineered-plastics front baffle with an integrated steel formed enclosure. The Loudspeaker shall consist of PC-PBT plastic materials that are resilient to cooking oil exposure. The Loudspeaker should be plenum rated for use in air handling spaces and in compliance with the following safety standards; UL1480 for Fire Alarm and Signaling Systems, UL2043.
g. The transducers shall be located behind a perforated steel grille with a powder-coated finish.
h. The Loudspeaker shall contain standard mounting arms.
i. The Loudspeaker shall be available in black or white.
j. The Loudspeaker shall fit a modern aesthetic with the option to remove logos.
k. Input connectors shall be a Euro block pin connector with loop-through, located on the front baffle.
l. The Loudspeaker shall have a nominal rated impedance of 16 ohms and should be wired in parallel with a line voltage matching (stepdown) transformer with a level selector appropriate for output taps of 1, 2, 4, 8, 16 Watts and Bypass (16 ohms).
m. The Loudspeaker input connections shall allow for direct connection to 70-volt, 100-volt or low-impedance amplifiers. Loudspeaker back can dimension shall be 127 x 125 mm (5.0 x 4.9 in) and net weight should be 1.63 kg (3.6 lbs) with grille. Outward front baffle dimensions should be 182 mm (7.2 in).
n. Warranty should be 5 years.

Portable speaker/ Monitor shall satisfy the following minimum performance specifications: -

o. The Portable speaker shall be suitable for use in commercial setting including Houses of worship, Schools and Universities, Resorts and Hospitality venues or Live music performances
p. The Portable speaker shall be a multiple driver, full-range portable loudspeaker system with internally supplied power amplification and active equalization for multiple operating modes. The transducer complement shall consist of high-excursion full range drivers, With a dedicated low frequency driver.
q. The Portable speaker shall have a Rechargeable lithium-ion battery allows performance of up to 8 hours.
r. The Portable speaker shall have an Onboard 3-channel mixer which offers reverb, and EQ controls on two channels, with a dedicated channel for either wired (3.5 mm) or wireless music sources via Wireless Bluetooth® streaming.
s. The Portable speaker shall allow for multiple placement orientations with Auto eq to maintain tonal consistency.

t. The Portable speaker shall be compatible with standard 35 mm pole mounts.
u. The nominal horizontal beam width of the portable speaker shall be 140°, and the vertical coverage shall be 40°.
v. The Power Amplification for transducers shall be supplied by the integrated power supply providing 130 W continuous pink noise, band-limited from 65 Hz to 14 kHz (-3 dB).
w. The input connectors of the Portable speaker shall consist of one XLR with equalization for a
x. dynamic handheld microphone, one ¼" TRS, stereo RCA, and one 1⁄8" TRS receptacle. The output connectors of the portable speaker shall consist of one ¼" balanced TRS
y. Warranty should be 5 years.

Digital Mixer shall satisfy the following minimum performance specifications: -

a. Digital stereo 8 Channel mixer containing eight high-quality audio preamps with
b. XLR-combo jacks for microphones or instruments, and switchable phantom power
c. Aux inputs for additional sources minimum four
d. USB-A and -B for USB drive playback or PC/Mac interfacing
e. Balanced ¼" TRS and XLR stereo outputs
f. Independent headphone output
g. The Digital Mixer shall offer Updated, studio-quality effects with advanced digital
h. audio processing. Effects include compressor, limiter, de-esser, noise gate,
i. chorus, flanger, phaser, tremolo, delay, and reverb
j. The Digital Mixer shall have on built in on board tonal presets for different instruments or equipment such as Shure/Sennheiser mics, Acoustic/Electric Guitars, Saxophone, DJ controllers and the likes of the industry.
k. The Mixer shall have sound processing for natural-sounding vocals and instruments
l. The Digital mixer shall have EQ focusing the sound presets for effective adjustments on the fly
m. The digital mixer shall offer Independent EQ, dynamics and effects per individual channel, Dedicated reverb for Aux sends, and a global shared reverb for use across all channels
n. The digital Mixer shall offer Master output EQ to compensate for venue acoustics
o. The Digital Mixer should allow for Full end-to-end tonal optimization when used Loudspeakers and Subwoofers with cross over range between 40 – 100 Hz.

p. The digital mixer shall have Seamless Live Control with Tactile controls and indicators designed for live on-stage
q. use by musicians and DJs
r. The Digital Mixer shall offer an uncluttered user interface
s. The digital Mixer shall be able to create and store Built-in tap tempo delay, chromatic tuner, and recallable scenes.
t. The digital mixer shall allow for low light operations with LED display and illuminated controls are easy to read.

Computer Lab

1. Each Workstation to have a grommet, communication outlet (CAT6 Ethernet cables) and duplex outlets. The Admin desk to have a grommet, communication outlet (CAT6 Ethernet cables)and 2No. duplex outlets.
2. 1No. wall mounted Network Closet to be installed. Installation of three (3) duplex electrical wall outlets for use with networking equipment, television, printer, etc. Provision of a keypad access. Station material to be approved by the Client.
3. Purchase and installation of locking system to secure wall-mounted 60" television. Provision of tv and pulling of one (1) HDMI cable from television mount location through floor to reception desk
4. CAT6 Ethernet cables to wall height end points with other end at Network Cabinet for use with Smart TVs (placement to be provided)
5. Routing of all electrical connections for light fixtures and electrical outlets (including for AC Units) in the Computer Lab to the ICT Access Patio's dedicated electrical panel.

ICT Access Patio

1. Provision of 8 No. 4 seater table tops to data poles (power to run within columns to tables from roof) Tables will be 42" high (bar height) with metal bar stools. As an alternative option, seating that is attached to the post system may also be used.
2. Provision of 32 No. metal bar stools (or fixed seats that attach to custom made tables)
3. Installation of sixteen (16) desk-mounted weatherproof duplex electrical outlets in the Wi-Fi Patio for use by customers (charging of mobile phones, laptops, chargers, etc.)
4. Columns on each table to be clad or have an aesthetically pleasing finish to match the Architectural features of the space.
5. Ramp and staircase access.
6. Installation of a dedicated electrical panel in Electrical Room for all of the ICT Access Patio related electrical needs.
7. Installation of lights in Wi-Fi Patio with switch in main corridor and lobby area. The Patio should be fitted with an appropriate number of lights to provide sufficient illumination for working in the space at night. The switch for these lights should be located in the lobby area of the main building.
8. Fabrication and installation of 3ft high metal railing surrounding the Patio.

All floor and wall mounted electrical and networking outlets and associated cabling should ideally be recessed into the walls or floors for better aesthetic.

FREQUENTLY ASKED QUESTIONS (FAQs)

Design Build Services for the Olera Heights Community Centre

What is the purpose of this Request for Proposal?
The purpose of this Request for Proposal is to identify and contract a suitably qualified and experienced Contractor to undertake the Project.

I am interested in this project. Can I view the RFP before purchasing to confirm the requirements prior to purchasing?
The RFP will be available for viewing at UDeCOTT's Head Office, First Floor, 38-40 Sackville Street, Port of Spain, 100622, from October 31, 2022 (excluding weekends and public holidays), between the hours of 9:00 a.m. to 4:00 p.m. (AST).

What is the Location of the site?
The proposed site for the Olera Community Centre is at the Circular Road, San Fernando.

Is it mandatory to attend the site visit and online information session?
Attendance to the site visit and online information session is not mandatory. It does however provide a greater understanding of the requirements of the RFP.

Are there any eligibility requirements for this Procurement Process?
In order to be eligible for evaluation and/or consideration to provide the Works, Proponents must be able to demonstrate the following:

- Incorporation or otherwise registered to do business in Trinidad and Tobago as evidenced by the Certificate of Incorporation or Registration (as applicable);
- Submission of Statutory Clearance/Compliance Certificates, (for companies incorporated/registered in Trinidad and Tobago) valid as at the tender submission deadline, namely;
    - VAT Clearance Certificate
    - BIR Clearance Certificate
    - NIS Certificate of Compliance
- Submission of Annual Return – 2021 (2022 if applicable) (for companies incorporated/registered in Trinidad and Tobago)

Are Proponents required to submit a Bid Bond with their Proposals?
No, a Bid Bond is not required for this RFP.

Proponents are to note that the responses provided as guidance to these Frequently Asked Questions does not relieve the Proponent of its obligation and responsibility to fulfil and comply with all requirements of the Request for Proposals.