



TOBAGO HOUSE OF ASSEMBLY
DIVISION OF EDUCATION RESEARCH AND TECHNOLOGY

NOTICE

Addendum No. 2 to Tender Document

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Tender Reference: DERT 2024/25-001

Title: General Construction and Repair Works at Schools

Issuing Authority: Division of Education, Research and Technology

Date: 1st May, 2025

The Division of Education, Research and Technology hereby issues **Addendum No. 2** to the above-captioned tender. This notice serves to inform all prospective tenderers of the following **revisions and clarifications**:

1. Change in Tender Submission Deadline and Opening Date

The deadline for submission and the date for the opening of tenders have been revised as follows:

| Activity | Original Date & Time | Revised Date & Time |
|----------------------------|---|--|
| Submission Deadline | Monday, May 5 th 2025 at 2:00 p.m. | Wednesday, 14th May 2025 at 2:00 p.m. |
| Tender Box Opening | Monday, May 5 th 2025 at 2:30 p.m. | Wednesday, 14th May 2025 at 2:30 p.m. |

All tenderers must ensure submissions are received by the revised deadline. **Late submissions will not be considered.**

2. Tenderers are required to clearly indicate on the cover page the specific project being tendered for (e.g., Project 3, Project 4, or Project 5).

3. SUBMISSION INSTRUCTIONS

(F) Evidence of Past Experience

Tenderers are advised that for **all projects**, submitted evidence of relevant experience must relate to works completed within the **past eight (8) years**. However, for **Projects 3, 4, and 5**, the referenced contracts must also be **at least seven (7) years old** at the time of submission.

Each tenderer must provide a minimum of **two (2)** references, in the form of either **Contract, letters of award or signed purchase orders**, issued by Government agencies, including the **Tobago House of Assembly (THA)**. These references must be accompanied by a **detailed scope of works** clearly demonstrating similarity to the scope of the current tender. The value of each referenced contract must be **at least seventy percent (70%)** of the value of the tenderer's current bid.

For private sector projects, a **notarized statutory declaration from the client** must be submitted, using the prescribed formats.

• **Contract Source & Evidence Requirements:**

- **Government or THA Contracts:**
 - Acceptable documentation includes a **letter of award** or **signed purchase order**, accompanied by a **scope of works**.
- **Private Sector Projects:**
 - A **statutory declaration from the client** must be submitted, subject to the following conditions:
 - The declaration **must not** be issued by the tenderer.
 - It **must be notarized** by a **Commissioner of Affidavits**.
 - It **must use the prescribed formats:**
 - **Appendix C1(a)** – for projects undertaken for a company.
 - **Appendix C2(b)** – for projects undertaken for a private individual.

To Be included in the Tender Submission Instructions

4. Warranty Requirement

Tenderers shall include in their tender submission the following warranty documentation:

- a. **A formal statement of warranty** confirming a **minimum 10-year coverage** on the waterproofing materials and **1-year minimum coverage for application workmanship**.
- b. **Manufacturer documentation** stating that the proposed product/system is warranted for **10 years** under standard application conditions.
- c. **Evidence that the Tenderer is a certified or authorized installer** of the waterproofing system proposed, ensuring the warranty remains valid.

Product Technical Data Sheet Requirement

Tenderers shall submit the manufacturer's **Technical Data Sheet (TDS)** for the waterproofing system or materials proposed.

The TDS must include:

- d. Product specifications
- e. Recommended and approved application procedures
- f. Performance characteristics
- g. Compliance with international standards (if any)

Failure to provide the necessary warranty documentation as outlined above will render the tender submission incomplete.

5. Selection Criteria

| CRITERIA | SCORE | EVIDENCE |
|---|--------------|---|
| Neatly bonded Tender Submission | Mandatory | Must have a cover page and table of content. |
| Attendance to Site Visit | Mandatory | Signed Attendance Register. |
| Completion of the Tender submission form (TSF) in manner specified by this Invitation | Mandatory | Completed TSF, including annexures. |
| Firm must be a registered business entity | Mandatory | Business Registration/ Incorporation certificate and Notice of Directors. |
| Compliance with VAT, BIR and NIS laws | Mandatory | Compliance certificate from the relevant authorities. |
| Register and pre-qualified (as requested line of business with OPR) | Mandatory | Printed supplier registration number and a copy of letter from the depository of OPR stating you have been accepted (pre-qualified in the requested line of business. |
| Plumbing and Wiremen license (Where applicable) | Mandatory | Tenderers must submit a valid copies of the licensed personnel who will be overseeing that aspect of the project. |

| | | |
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| Warranty Requirement (applicable for Project 3, 4 and 5) | Mandatory | Tenderers must include: 1. Formal warranty statement confirming a minimum of 10-year coverage on waterproofing materials and a 1-year minimum coverage for application workmanship. 2. Manufacturer documentation stating that the proposed product/system is warranted for 10 years under standard application conditions. 3. Evidence that the Tenderer is a certified or authorized installer of the waterproofing system to ensure warranty validity. |
| Submission of Technical Data Sheet for Proposed Waterproofing Product (applicable for Project 3, 4 and 5) | Mandatory | Manufacturer's official data sheet outlining product specifications, usage instructions, and performance data. |
| Firm has experience in undertaking works of similar nature as in this ITT | Mandatory | Two (2) previous contracts/letters or award/purchase order of similar nature and of at least 30% less than the cost proposed in this tender within the past Eight (8) years. For Project 3, 4 and 5 evidence must be at least Seven (7) years old. |
| Past performance | Mandatory | Two (2) references from the same clients from which letters of awards/contracts/purchase orders were issued above. Reference must include name and contact information of client, the start and end date of contract and the performance of your Firm in undertaking the works. |
| Financial capacity to undertake the contract to the value of at least 60% below the sum proposed in this tender | Mandatory | The bank reference letter and or three (3) month bank statement demonstrating evidence that the Firm has the financial capacity to undertake the contract to the value (available) of at least 60% below of the sum proposed in this Tender. |
| Audited financial statement for past three (3) applicable for Project 4 | Mandatory | Submission of audited Financial Statements which consist of:- statement of financial position, statement of income, statement of equity, statement cash flow and note to finance for the last three (3) years - 2021, 2022 and 2023. To have been performed by a certified accountant. |
| Statement of Truth | Mandatory | Tenderers must sign and submit their Statement of Truth Declaration (Appendix B). |
| Ethical Code of Conduct for Contractors and Suppliers | Mandatory | Tenderer must read and sign Ethical Code of Conduct for Contractors and Supplier, which indicates you have read and agreed to the terms and condition outlined therein at (Appendix F) |

5 Amendment to Bill of Quantities (BOQ)

The Bill of Quantities has been amended for the following projects:

- a. Project One
- b. Project Three
- c. Project Four
- d. Project Five

Tenderers are advised to refer to the revised BOQs attached with this Addendum No. 2. All prior versions of these BOQs are hereby replaced. Bids must reflect these updates.

Authorized by:
Procurement Unit
Division of Education, Research and Technology
Tobago House of Assembly

ATT

Revised BOQs

Project 1 - Montgomery Government Primary School

Addendum-General Construction Package 2025

| ITEM | DESCRIPTION OF WORK | UNIT | QTY. | RATE (\$) | AMOUNT (\$) |
|----------------------------------|---|------|------|-----------|-------------|
| A | Preliminaries- to include: | | | | |
| | A PRELIMINARIES/GENERAL CONDITIONS | | | | |
| | A10 Project particulars | | | | |
| | TITLE OF PROJECT AND POSTAL ADDRESS | | | | |
| | Montgomery Government Primary School General Construction Package 2025 | | | | |
| | NAMES AND ADDRESSES OF: | | | | |
| | Employer : The Division Of Education, Research and Technology | | | | |
| | Dutch Fort Plaza, Dutch Fort, Scarborough, Tobago | | | | |
| | A13 Description of the work | | | | |
| | Not defined | | | | |
| | A20 The contract/sub-contract | | | | |
| | Form of contract : Fidic Green Book | | | | |
| | Employers insurance responsibility, workmen Compensations and public liability | Item | | | |
| | A34 Employer's requirements: | | | | |
| | Security/Safety/Protection | | | | |
| | Safety health and welfare | | | | |
| | safety, health and welfare, fixed charge, as necessary to ensure protection to employees while working. | Item | | | |
| | A44 Contractor's general cost items: Temporary works | | | | |
| Scaffolding up to 30ft high | Item | | | | |
| Independent scaffolding | | | | | |
| Erect and subsequently dismantle | | | | | |
| | | | | | |
| Preliminaries C/F | | | | | |
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| B | Plumbing Works | | | | |

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| | NB. Persons should not apply any chemicals nor enter the tanks during the cleaning and sanitizing process. Please note that the cleaning and sanitizing of the tanks should not be done all at once, as there is a difficulty of water availability in the area and therefore all tanks must be cleaned and sanitized in phases, to allow for a constant access of water on the plant. | | | | |
| a | Disconnect and remove plumbing lines and fittings then allow for the cleaning and sanitizing of five (5) existing water tanks (@1000 Gallons Each), reconnect thereafter, making good upon completion. | Nr. | 5 | | |
| b | Disconnect, remove and cart away from the plant to an approved dumping site, damaged/burst plastic 600 gal tanks, plumbing lines and fittings from the tank farm. | Nr. | 2 | | |
| c | Supply and install three (3) new 1000 Gallon Health Guard Tuff Water Tanks to the existing tank farm (N.B. ensure the cleaning and sanitizing of all new water tanks before installation) then reconnect with all necessary schedule 40 UPVC plumbing pipelines and fittings, with all associated necessary plumbing works, making good upon completion. | Nr. | 3 | | |
| d | Allow for the assessment of the state of the plumbing at the tank farm, which includes, but not limited to the new replacement of stop corks, schedule 80 union type ball valves, float switch, pressure switch, connection suction and discharge lines (replace suction line with 1" schedule 40 plumbing line), Peglar shut-off valve, check valve, return valve, pvc union, 90-degree elbows, male adaptors, timers, bulk heads, high pressure stem and valves with 5" or 6" ball, damaged plumbing pipelines with new schedule 40 plumbing pipelines and fittings, where necessary. N.B The tank that is carrying float switch should not have a ball valve for safety purposes. | Item | | | |
| e | Allow for the servicing of 1 hp Goulds pump and pressure vessel, including but not limited to ensuring the slump and floats are clean, the impellers, seals, bearings, valves and volutes are in good working condition. Assess the condition of the pipework connected to the pumps for wear or damage, replace suction line with 1" schedule 40 plumbing line, check and repair leaks or breakage and check and repair the electrical components including but not limited to contactor (replace with 220v contactor with 120 coil if necessary), pressure gauge, isolation panel (replace with 30 amp double pole full size breakers if undersized), to ensure insulation is intact and fuses are in good working condition. Allow for the servicing of the | Nr. | 1 | | |

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|---|--|-----|----|--|--|
| | isolation box and the replacement of any of the components listed above, where necessary. | | | | |
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| | Thereafter, reconnect the plumbing system at the tank farm, ensuring tanks were cleaned effectively and the system is properly functioning, making good upon completion. (N.B Only Schedule 40 plumbing lines should be used). | | | | |
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| f | Remove and cart away existing defective kitchen faucet and associated sundries to an approved dumping site. | Nr. | 1 | | |
| | | | | | |
| g | Supply and install one (1) new stainless steel kitchen gooseneck faucet with all necessary plumbing fittings and accessories, with all associated plumbing works, making good upon completion. | Nr. | 1 | | |
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| h | Provision for the servicing of non-functioning staff and students' toilets with all necessary plumbing accessories, fittings and plumbing works which includes but not limited to checking for leaks and, supplying and replacing all damaged diaphragms, buffer kit and rescuer, bottom feed connection stem C valve, side connection stem C valve, pan piece connector, angle valve C rod, silicone, tread seal, wc connector flex lines, shut-off valves, full turn stop corks, closet flange, flush valve gasket, syphons, handles, toilet seats, inter alia, ensuring full functionality making good upon completion. N.B remove and cart away all replaced parts to an approved dumping site. | Nr. | 14 | | |
| | | | | | |
| i | Remove and cart away defective toilets, waste water lines in the senior students' (5) and junior students' (5) washroom areas to an approved dumping site. | Nr. | 10 | | |
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|---|---|-----|----|--|---------------|
| j | Supply and install new Armitage Shank Sandringham complete toilet sets to the students' washroom areas, with all new necessary plumbing accessories, fittings and all other ancillary works, including but not limited to the use of 1/2", 2", 4" schedule 40 UPVC pipes, angle valves, 45-degree elbows, etc. and with all relevant plumbing works, ensuring full functionality, making good upon completion. | Nr. | 10 | | |
| k | Service (repair) and chemically clean (to remove stains) all junior boys' urinals (i.e., Wall Mounted Urinal systems) in the school, including but not limited to the replacement of damaged urinal parts, with the inclusion of all necessary plumbing accessories, fittings and all other ancillary works, ensuring full functionality, making good upon completion. N.B remove and cart away all replaced items to an approved dumping site. | Nr. | 3 | | |
| l | Remove and cart away all non-functioning Urinals in the male students' washroom areas to an approved dumping site. | Nr. | 2 | | |
| m | Supply and install new Armitage Shank complete Urinal sets to the male students' washroom areas including but not limited to the use of 1/2", 2" schedule 40 UPVC plumbing pipelines, waste pipelines, angle valves, clear silicone for sealing off around the urinal and all other relevant plumbing accessories, with associated plumbing works, ensuring full functionality, making good upon completion. | Nr. | 2 | | |
| n | Service (repair) and chemically clean (to remove stains) senior boys' urinal (i.e., Large Communal Trough Urinal system) in the school, including but not limited to the replacement of damaged urinal parts, with the inclusion of all necessary plumbing accessories, fittings and all other ancillary works, ensuring full functionality, making good upon completion. N.B remove and cart away all replaced items to an approved dumping site. | Nr. | 1 | | |
| o | Allow for the servicing, repairs, replacement and cleaning of all guttering/downpipes throughout the school, inclusive of but not limited to cleaning all concrete and upvc guttering, removing scrubs, snaking out blockages, provision for the replacement of damaged 6" round upvc downpipe system with new schedule 40 upvc downpipes and 6" round upvc schedule 40 guttering systems, relocation/redirecting of some downpipes, new replacement of damaged fittings, clamps, studs, clips, wall plugs, screws, elbows and bends, support brackets to fascia boards, connections, and water outlets, roof water velocity breakers, inter alia, making good upon completion. | PS | | | TT\$25,000.00 |

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| p | Remove and cart away existing defective face basin faucet taps in the staff room and all the girls and boys washroom areas to an approved dumping site. | Nr. | 10 | | |
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| q | Supply and install new monobloc water faucet taps, inclusive of, but not limited to all new necessary plumbing accessories, fittings and all other ancillary works, replacing existing taps located in the girls and boys washroom areas, ensuring full functionality, making good upon completion. | Nr. | 10 | | |
| | | | | | |
| r | Excavate the soil to a minimum depth of 12 inches to repair/replace the earthen leaking plumbing pipelines next to the northern security booth. Replace all damaged plumbing pipelines and fittings including but not limited to schedule 40 upvc pipelines, stop corks, shut-off valve, check valve, return valve, pvc union, high pressure stem and valves, inter alia. Therefore, backfill and grade area to its existing state, making good upon completion. NB Contractor is responsible for coordinating with WASA to allow for the temporary disconnection and | Item | | | |
| | reconnection of water supply to facilitate the undertaking of repair works. | | | | |
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| s | Open and inspect septic tank system and allow for the pump down of the septic tank system through all chambers as required. If septic tank system is not functioning well conduct all necessary repairs by investigating the integrity of the sewer and waste lines replacing where necessary (schedule 40 and SDR 41 for venting), making good upon completion. | Item | | | |
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| t | Power wash septic tank to remove sludge from around corners and within septic tank, jet and blow out 4" pvc waste lines within the sewer system to remove clogs, then pump down septic tank again to remove excess water, making good upon completion. | Item | | | |
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| u | Recharge the septic tank using good bacteria forming agents, such as cheese and yeast, ensuring that the septic tank is functioning well. | Item | | | |
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| v | Slide covers into position and re-seal the joints of the septic tank covers using a one-part cement -to two-part sand mixture, respectively, making good upon completion. | Item | | | |
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| w | <p>Allow for the new replacement of damaged taps at the drinking trough, with new stainless Armitage Shanks Markwik lever (long) wall mounted bib taps - Chrome. (N.B., two must be garden taps), with all necessary associated plumbing sundries and works, making good upon completion. Allow for the corking of holes where necessary.</p> <p>N.B. Remove and cart away all replaced items to an approved dumping site.</p> | Nr. | 6 | | |
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| x | Provision for the supply and installation of three (3) plastic wash hand sinks with foot valve, at the security booths, and outside the kitchen inclusive of, but not limited to the installation of gooseneck taps, new schedule 40 UPVC pipelines (i.e., 1" / 3/4", 2", etc.) elbows (i.e. 90 and 45 degrees), Tee elbows, 1 ½" trap with 1/2" tail piece, UPVC collars, using 250ml solvent and primer, three (3) wall mounted automatic soap dispensers with liquid soap, inter alia, with all other necessary plumbing fittings and accessories, with all associated ancillary and installation works. Ensure the sinks are functional with potable water and the running of the new pipelines are recessed; fill voided areas with concrete where necessary, and repaint areas, making good upon completion. N.B remove and cart way all unwanted items to an approved dumping site. | Item | | | |
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| C | <u>Electrical s Mechanical Works</u> | | | | |
| a | Remove and cart away non-functioning 8' LED lighting tubes throughout the school to an approved dumping site. | Nr. | 60 | | |
| | | | | | |
| b | Supply and install new 8' LED lighting tubes to existing wrap around vapor proof lighting fixtures, including but not limited to electrical dual ends and all necessary electrical works and materials, cleaning/replacement of shades, making good upon completion. Ensure that all electrical wires and tubes are installed properly, secured, tighten and lights are functioning properly upon completion. Location is throughout the school. | Nr. | 60 | | |
| | | | | | |
| c | Remove and cart away non-functioning 4' LED lighting tubes throughout the school to an approved dumping site. | Nr. | 48 | | |
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| d | Supply and install new 4' LED lighting tubes to existing wrap around vapor proof lighting fixtures, including but not limited to electrical dual ends and all necessary electrical works and materials, cleaning/replacement of shades, making good upon completion. Ensure that all electrical wires and tubes are installed properly, secured, tighten and lights are functioning properly upon completion. Location is throughout the school. | Nr. | 48 | | |
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| e | Remove and cart away defective 4' lighting fixtures to an approved dumping site. Locations are to be specified by the PIU Officer | Nr. | 8 | | |
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| f | Supply and install at the specified areas of the school, OSHA requested new covered 4' vapor proof LED lighting fixtures, with all necessary electrical, wiring, accessories and works, including but not limited to photocells, LED tubes, (if necessary repair/replace dtsp switches), 20amp breakers for the lighting circuits, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws etc., with all necessary electrical sundries, making good upon completion. Location is throughout the school. Locations are to be specified by the PIU Officer | Nr. | 8 | | |
| | | | | | |
| g | Remove and cart away defective 8' lighting fixtures to an approved dumping site. Locations are to be specified by the PIU Officer | Nr. | 10 | | |
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| h | Supply and install at the specified areas of the school, OSHA requested new covered 8' vapor proof LED lighting fixtures, with all necessary electrical, wiring, accessories and works, including but not limited to photocells, LED tubes, (if necessary repair/replace dtsp switches), 20amp breakers for the lighting circuits, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws etc., with all necessary electrical sundries, making good upon completion. Location is throughout the school. Locations are to be specified by the PIU Officer | Nr. | 10 | | |
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| i | Supply and install at the Junior and senior areas of the school, additional OSHA requested new covered 4' vapor proof LED lighting fixtures, with all necessary electrical, wiring, accessories and works, including but not limited to photocells, LED tubes, new lighting switches, (dtsp switches), 20amp breakers for the lighting circuits, using 4.0mms for outlets, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws etc., with all necessary electrical sundries, making good upon completion. Location is throughout the school. Locations are to be specified by the PIU Officer | Nr. | 28 | | |
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|---|--|-----|----|--|--|
| j | Supply and install at the Junior and senior areas of the school, additional OSHA requested new covered 8' vapor proof LED lighting fixtures, with all necessary electrical, wiring, accessories and works, including but not limited to photocells, LED tubes, new lighting switches, (dtsp switches), 20amp breakers for the lighting circuits, using 4.0mms for outlets, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws etc., with all necessary electrical sundries, making good upon completion. Location is throughout the school. Locations are to be specified by the PIU Officer | Nr. | 14 | | |
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| k | Remove and cart away defective dusk to dawn lighting fixtures at the perimeter of the school, to an approved dumping site. | Nr. | 5 | | |
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| l | Supply and install at the school, new 200W dusk to dawn LED Waterproof Outdoor (Flood light type fixtures) with photocells, bulbs, 20amp breakers for the lighting circuits, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws inter alia, with all necessary electrical sundries, electrical works and wiring, making good upon completion, ensuring lights are functioning. NB: Location is at the perimeter of the School at areas identified by the PIU Officer. | Nr. | 8 | | |
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| m | Supply and install at the school, new 100W dusk to dawn LED Waterproof Outdoor (Circular type fixtures) with photocells, bulbs, 20amp breakers for the lighting circuits, suitable electrical trunking and 2.5mm wire for lighting circuits with 3/4" conduits, brackets, screws inter alia, with all necessary electrical sundries, electrical works and wiring, making good upon completion, ensuring lights are functioning. NB: Location is at the perimeter of the School at areas identified by the PIU Officer. | Nr. | 6 | | |
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| | Ensure all electrical wires and fixtures are properly secured and tighten and lights are functioning properly upon completion. | | | | |
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| n | Supply and install, in the Principal's office, Pan room, Staff room and all classrooms (i.e., infants to std 5) new shutter proof type electrical outlets, with safety covers and all necessary electrical accessories and electrical works including but not limited to ECC 2.5 cable measuring 3'-3" encased with YT4 3/4" electrical trunking, brackets, screws inter alia, making good upon completion. N.B ensure wires are safely secured and properly encased. Location is in the classroom areas. N.B These outlets must be inserted into the walls, as such, allow for all necessary masonry works and sundries, making good upon completion. | Nr. | 10 | | |

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| o | Supply and install, new GFCI electrical outlets, with all necessary electrical accessories and electrical works including but not limited to ECC 2.5 cable measuring 3'-3" encased with YT4 ¾" electrical trunking, brackets, screws inter alia, making good upon completion. N.B ensure wires are safely secured and properly encased. Locations are, principal/Staff washrooms and kitchen. N.B These outlets must be inserted into the backsplash/walls, as such, allow for all necessary miscellaneous masonry and painting works and sundries, making good upon completion. | Nr. | 4 | | |
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| p | Remove and cart away non-functioning Ceiling Fans from the specified areas, to an approved dumping site. (i.e., infants classrooms) | Nr. | 4 | | |
| | | | | | |
| q | Supply and install new complete Industrial Plastic Ceiling Fans to the infants classrooms, with all necessary electrical works and accessories, ensuring that the ceiling fans and all electrical wires are properly tighten, making good upon completion. Apply two (2) coats of Isonem Liquid Glass component to all fan blades and leave to dry before installation. N.B All Ceiling Fans must be installed with a speed setting switch. (N.B No Metal Parts, unless rust proof and approved by PIU Officer). | Nr. | 4 | | |
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| r | Supply and install new complete 18" Industrial Plastic Wall Fans to the specified areas, with all necessary with all necessary installation works, and accessories including but not limited to wall brackets, screws, inter alia, making good upon completion. Locations (i.e., infants and senior classrooms, Kitchen). | Nr. | 30 | | |
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| s | Supply and install, in the identified senior and infant classrooms new shutter proof type electrical outlets, to power new wall fans, with safety covers and all necessary electrical accessories and electrical works including but not limited to ECC 2.5 cable measuring 3'-3" encased with YT4 ¾" electrical trunking, brackets, screws inter alia, making good upon completion. N.B ensure wires are safely secured and properly encased. Location is in the classroom areas. N.B These outlets must be inserted into the walls, as such, allow for all necessary masonry works and sundries, making good upon completion. | Nr. | 30 | | |
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|---|--|------|---|--|--------------|
| t | Check and service all 120v and 240v socket outlets replace any defective outlets, trucking and covers where necessary and ensure outlets are functioning, shutter type, polarized, effectively earthed and colour coded. In addition replace damaged covers with W/P type outlet covers. | PS | | | TT\$8,000.00 |
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| u | Provision for the supply and installation of new wall mounted 10 lb. Fire Extinguishers, with all necessary parts and accessories, including but not limited to pull pins, casings, hoses, seals, straps, brackets, stainless steel screws, safety labels and signs, etc., making good upon completion, ensuring all Fire Extinguishers are properly functioning. (The chosen Specialist Contractor is responsible for installing the most suitable Fire Extinguishers in the specified locations, from the following list: ABC, Foam, CO2, Dry Chemical Powder, Water Mist and Wet Chemical). The locations are: Food C Nutrition Room, Principal's Office, Staff room and Storage Units. | Nr. | 4 | | |
| | | | | | |
| v | Remove non-functioning A/C units and their respective condensers, with all other accessories, and cart away to an approved dumping site. | Nr. | 4 | | |
| | | | | | |
| | <p>N.B The Contractor is to select from these options of AC Units ONLY.</p> <p>The choices are: Delta, Lennox, Gree, Toshiba, Peakes or Daikin. Any other brand of AC Units must be consulted and approved by the PIU Officer before purchase.</p> <p>(N.B No Lennox 36,000 Btu or 5 Tonne AC Units should be used).</p> | | | | |
| | | | | | |
| w | Allow for the electrical upgrades, servicing, adjustments and balancing of loads in all existing panel boxes in the school and allowing for the installation of new circuits from the panel boxes and all other electrical works for the installation of A/C Units consisting of, but not limited to the supply and installation of breakers (40amp/50amp, all appropriate double pole breakers), Mts 4x6 mm XLPE Armoured Cable (rhino cables-4core), Surge Protector for all newly installed AC Units, cooper, black sleeving for cable, junction boxes, conduits, suitable electrical trunking, bolts, isolation switches, connectors, contactors, screws, clamps and the likes, to be installed with all necessary wiring connections, 220/230 volts wall socket on wall and the likes, to facilitate new A/C Units installation, making good upon completion. | Item | | | |
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| | N.B The Contractor is to ensure all electrical running and connections (i.e., new and existing) for all AC Units are neatly done in suitable electrical trunking. | | | | |
| | | | | | |
| | Supply and install new wall-mounted and Ceiling Suspended complete Heresited (i.e., sea-blast treated condensers, coils and condenser brackets) A/C units in the below specified locations, with all necessary wiring and accessories, including but not limited to condensers/compressors, cooper, brackets, connectors, isolators, contactors, voltage monitors, P.V.C weatherproof box with switch and plug, on and off switch, remotes with wall mounts and aluzinc screws, making good upon completion. N.B the Contractor must provide at least a three (3) years on warranty on all new Compressors, and One (1) year warranty on all parts of these newly installed A/C units | | | | |
| | | | | | |
| x | Heresited 60,000 btu AC Unit: Location is in the std 4 Edwards classroom [Replacement] NB. Ensure Compressor is safely and properly bolted on the wall, or concrete slabs, making good upon completion. | Nr. | 1 | | |
| | | | | | |
| y | Heresited 36,000 btu AC Units: Locations are in the Staff Room and Pan Room [Replacement] NB. Ensure Compressors are safely and properly bolted on the wall, or concrete slabs, making good upon completion. | Nr. | 2 | | |
| | | | | | |
| z | Heresited 18,000 btu AC Unit: Location is in the Principal's Office [Replacement] NB. Ensure Compressor is safely and properly bolted on the wall, or concrete slabs, making good upon completion. The replaced unit is to be left at the school. | Nr. | 1 | | |
| | | | | | |
| A1 | Allow for the relocation of existing 24,000 btu AC Unit from the Staff Room into the STD 3 classroom, with all associated electrical works and sundries, making good upon completion. NB. Ensure that Compressor is Heresited (i.e., rust treated) safely and properly bolted on the wall, or concrete slab, making good upon completion. | Nr. | 1 | | |
| | | | | | |
| B1 | Allow for all necessary miscellaneous masonry and painting works, inclusive of, but not limited to the corking of holes upon completion of installation, cutting/chipping and cleaning of sidewalk to an acceptable depth to install schedule 40 pvc. drainage pipe for A/C units, to flow into existing drain; re-plaster concrete surfaces with 1:3 | Item | | | |

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| | mortar of cement and sharp sand to fill voided areas, making good upon completion. | | | | |
| | | | | | |
| C1 | Provision for the servicing of newly installed 60,000 btu A/C unit in std 4 Edwards classroom every three (3) months for one (1) year, with all necessary associated AC works and new parts replacement if necessary, including but not limited to the new replacement of damaged fan motor, remote, capacitor and compressor where necessary, gassing of unit and repairing of leaks if necessary and hand over in good working condition, ensuring complete functionality and cooling of the AC Units, upon completion. | Nr. | 1 | | |
| | | | | | |
| D1 | Provision for the servicing/repair of existing 60,000 btu A/C units in the Library and STD 4 Blake , with all necessary associated AC works and new parts replacement if necessary, including but not limited to the new replacement of damaged fan motors, remotes and capacitors where necessary, gassing of units and repairing of leaks if necessary and hand over in good working condition, ensuring complete functionality and cooling of the AC Units, upon completion. | Nr. | 2 | | |
| | | | | | |
| E1 | Provision for the servicing of newly installed 36,000 btu A/C units in the Staff Room and Pan Room every three (3) months for one (1) year, with all necessary associated AC works and new parts replacement if necessary, including but not limited to the new replacement of damaged fan motors, remotes, capacitors and compressors where necessary, gassing of units and repairing of leaks if necessary and hand over in good working condition, ensuring complete functionality and cooling of the AC Units, upon completion. | Nr. | 2 | | |
| | | | | | |
| F1 | Provision for the servicing/repair of 24,000 btu A/C units in std 3 classroom and arrow room , with all necessary associated AC works and new parts replacement if necessary, including but not limited to the new replacement of damaged fan motors, remotes and capacitors where necessary, gassing of units and repairing of leaks if necessary and hand over in good working condition, ensuring complete functionality and cooling of the AC Units, upon completion. | Nr. | 2 | | |
| | | | | | |

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|----|--|-----|----|--|--|
| G1 | Provision for the servicing of newly installed 18,000 btu A/C unit in the Principal's Office every three (3) months for one (1) year, with all necessary associated AC works and new parts replacement if necessary, including but not limited to the new replacement of damaged fan motor, remote, capacitor and compressor where necessary, gassing of units and repairing of leaks if necessary and hand over in good working condition, ensuring complete functionality and cooling of the AC Units, upon completion. | Nr. | 1 | | |
| H1 | Supply and install new rust treated commercial rated wall mounted 18" extractor fan (i.e., to extract heat) in the Kitchen, with all electrical works and accessories, including but not limited to switch, outlet, venting, piping and all other necessary accessories and associated electrical sundries and works, making good upon completion. Allow for all framing and masonry works (i.e., creation of wall opening), all necessary painting to facilitate works. | Nr. | 1 | | |
| D | <u>General Construction</u> | | | | |
| | <u>Doors Replacement Works</u> | | | | |
| a | Remove existing damaged doors and frames at the specified locations below then cart away to an approved dumping site. | Nr. | 23 | | |
| b | Supply and install to the Principal's washroom area, with new heavy duty aluminium door frame, and new pre-painted (to match existing design) heavy duty 32" W x 80" H treated cedar door , with all necessary rust treated ironmongery, including but not limited to rust treated linear door handles, with rust treated heavy duty commercial locking mechanism , rust treated double cylindrical deadbolt, door stopper, rubber door guard, door latch, long screws, strike plates, strikes, and heavy duty hinges. Paint using one (1) coat of sanding sealant and two (2) coats of car paint. (i.e., all rust proof); make good upon completion. (Contractor is responsible for accurate measurements). N.B. Colour and design of door should match existing. | Nr. | 1 | | |

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| c | <p>Supply and install to the Junior Girls' and Boys' washroom area of the School, with new heavy duty aluminium door frames, filled with concrete (allow for any adjustment to portal opening, and associated painting works) and new treated cedar wooden doors, 36" W x 80" H, with rust treated heavy duty commercial locking mechanisms, rust treated double cylindrical deadbolts, door stoppers, rubber door guards, door latches, long screws, strike plates, strikes, and heavy duty hinges. Paint using one (1) coat of sanding sealant and two (2) coats of car paint. (N.B Name of the room should be identified on or top of the door via the supply and installation of aluminium sign, with white background and black print). (Contractor is responsible for accurate measurements). N.B. Colour to be approved by PIU Officer and Principal.</p> | Nr. | 2 | | |
| | | | | | |
| d | <p>Supply and install to the Infants area of the School, with new heavy duty aluminium door frames, filled with concrete (allow for any adjustment to portal opening, and associated painting works) and new customized treated cedar wooden double doors Pre-painted 44" W x 80" H approx., with all necessary rust treated ironmongery, including but not limited to rust treated linear door handles, with rust treated heavy duty commercial locking mechanisms, rust treated double cylindrical deadbolts, door stoppers, rubber door guards, door latches, long screws, strike plates, strikes, and heavy duty hinges. Paint using one</p> <p>(1) coat of sanding sealant and two (2) coats of car paint. (N.B Name of the room should be identified on or top of the door via the supply and installation of aluminium sign, with white background and black print). (Contractor is responsible for accurate measurements).</p> <p>N.B. Colour to be approved by PIU Officer and Principal.</p> | Nr. | 7 | | |
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| e | <p>Supply and install to the STD 4 Wilson [1], STD 4 Blake [2], STD 3 [1], STD 5 [2], Library [3], Principal's Office [2] with new heavy duty aluminium door frame, filled with concrete (allow for any adjustment to portal opening, and associated painting works) and new Pre-painted 36" W x 80" H heavy duty aluminium doors, with all necessary rust treated ironmongery, including but not limited to rust treated linear door handles, with rust treated with rust treated heavy duty commercial locking mechanisms, rust treated double cylindrical deadbolts, door closures, rubber door guards, door latches, long screws, strike plates, strikes, and heavy duty hinges. Apply one (1) coat of etching primer and three (3) coats ultra Spec direct- to-metal (DTM) paint, and two (2) coats of oil paint to door and ironmongery (i.e., all rust proof). Allow for the fabrication, supply and installation of transoms and aluminium signs within the transom highlighting the name of the room with all necessary materials, inclusive of, but not limited to screws, nails, inter alia, making good upon completion. N.B the transom above the door frames have a measurement of 39" Wide x 28" High (approx.) and must match existing design. (Contractor is responsible for accurate measurements). N.B. Colour to be approved by PIU Officer and Principal.</p> | Nr. | 11 | | |
| | | | | | |
| f | <p>Supply and install new heavy duty aluminium door frames, filled with concrete (allow for any adjustment to portal opening, and associated painting works) and new Pre-painted 32" W x 80" H heavy duty aluminium door, with all necessary rust treated ironmongery, including but not limited to rust treated linear door handles, with rust treated with rust treated heavy duty commercial locking mechanism, rust treated double cylindrical deadbolt, door closure, rubber door guard, door latch, long screws, strike plates, strikes, and heavy duty hinges. Apply one (1) coat of etching primer and three (3) coats ultra Spec direct-to-metal (DTM) paint, and two (2) coats of oil paint to door and ironmongery. Location (Kitchen) (N.B Name of the room should be identified on or top of the door via the supply and installation of aluminium sign, with white background and black print). (Contractor is responsible for accurate measurements). N.B. Colour to be approved by PIU Officer and Principal.</p> | Nr. | 1 | | |
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| g | <p>Supply and install to the northern security booth with new heavy duty aluminium door frame filled with concrete (allow for any adjustment to portal opening, and associated painting works) and new Pre-painted 36" W x 80" H heavy duty aluminium Dutch style (half leaf) inswing door, (N.B Name of the room should be identified on or top of the doors via the supply C installation of an aluminium sign with white background and black print) with all necessary rust proof ironmongery, including but not limited to rust proof linear door handle with rust proof heavy duty commercial locking mechanism, book stand, rubber door guard, rust proof double cylindrical deadbolt, hook and eye, door latches, long screws, strike plates, strikes, and heavy duty hinges, (i.e., all rust proof); make good upon completion. Apply one (1) coat of etching primer and three (3) coats ultra Spec direct-to-metal (DTM) paint, and two (2) coats of oil paint to door and ironmongery. (i.e., all rust proof); make good upon completion. N.B. Colour to be approved by PIU Officer and Principal. N.B the top and bottom panels should operate independently of each other. (Contractor is responsible for accurate measurements)</p> | Nr. | 1 | | |
| h | <p>Provision for the servicing of existing doors, including but not limited to the new replacement of door locks, with rust treated heavy duty commercial locking mechanisms, inclusive of but not limited to rust treated double cylindrical deadbolts, door stoppers, handles, rubber door guards, door latches, long screws, strike plates, strikes, and heavy duty hinges, allowing for any necessary door and frame adjustments if necessary, making good upon. Paint using one (1) coat of sanding sealant and two (2) coats of car paint, with colour matching existing. N.B remove and cart way all replaced items to an approved dumping site.</p> <p>Locations (i.e., classrooms, washrooms, southern security booth).</p> | Nr. | 8 | | |
| | | | | | |
| | <u>Classroom Moveable Separator Screens</u> | | | | |
| i | <p>Remove and cart away two damaged separator screens (30' W x 8' H) in the STD 4 Edwards C Library, with all of its damaged ironmongery, to an approved dumping site. Allow for the temporary removal and reinstallation of four (4) existing white boards on the existing screens, upon completion of works.</p> | Item | | | |
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| j | Construct, supply and install new solid double layer moveable accordion panel (i.e., sliding) separator screens, with treated wooden frames and sheeting (30' W X 8' H) in the STD 4 Edwards C Library, (i.e., to match existing layout design), made out of treated hardwood material, with all necessary joinery accessories, ironmongery and sundries including but not limited to heavy duty castor wheels/ rollers, with locking mechanism, tracks, mortise and tenon joints, stainless steel screws, pull handles, heavy duty hinges, inter alia. Apply one (1) coat of sanding sealant and two (2) coats of car paint to the wooden surfaces, making good upon completion. | Nr. | 2 | | |
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|---|--|-----|---|--|--|
| | <u>Window Works @ Western Security Booths</u> | | | | |
| k | Carefully remove and cart away damaged windows at the Security booth to an approved dumping site. | Nr. | 4 | | |
| | | | | | |
| l | Supply and install new 4' W x 4' H (approx.) UPVC French Style Astralite vertical sliding windows at the northern security booth, with legal black tinted glass, (allow for any adjustments to window openings), including but not limited to ensuring all remaining openings are properly sealed with silicone and windows have functional locking mechanisms, with rust proof components, making good upon completion. Allow for any necessary painting works where deemed necessary. (Contractor is responsible for accurate measurements). | Nr. | 3 | | |
| | | | | | |
| m | Supply and install new 2' W x 4' H (approx.) UPVC French Style Astralite vertical sliding windows at the northern security booth, with legal black tinted glass, (allow for any adjustments to window openings), including but not limited to ensuring all remaining openings are properly sealed with silicone and windows have functional locking mechanisms, with rust proof components, making good upon completion. Allow for any necessary painting works where deemed necessary. (Contractor is responsible for accurate measurements). | Nr. | 1 | | |
| | | | | | |
| n | Provision for the legal tinting of glass panes for existing 3' W x 3' H (approx.) UPVC French Style Astralite vertical sliding windows at the southern security booth, with all necessary works, including but not limited to servicing these windows, ensuring all remaining openings are properly sealed with silicone and windows are functional with locking mechanisms, making good upon completion. (Contractor is responsible for accurate measurements). | Nr. | 2 | | |
| | | | | | |

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| | <u>Pruning of Trees</u> | | | | |
| o | Allow for the pruning/trimming (i.e., the top and sides of the trees) of Eleven (11) trees on the school's compound, which includes, but not limited to the removal and carting away of all debris upon completion of works, ensuring areas are clear. (N.B the Principal will identify the locations of the trees). | Nr. | 11 | | |
| | | | | | |
| | <u>Curb and Slipper Drainage Resurfacing@ Front Kitchen</u> | | | | |
| p | Remove any debris, loose concrete, dirt, and vegetation from the slipper drain using a chipping hammer and wire brush. Then pressure wash drain (no less than 3000 psi) to thoroughly clean the surface, ensuring it is free of contaminants and residue. | Sq.ft | 120 | | |
| | | | | | |
| q | Chisel out any damaged or loose concrete to create a solid base for resurfacing and fill deep cracks or holes with a suitable repair mortar (renderoc) and allow it to cure as per manufacturer's instructions. Allow for the replacement of existing 2" waste pipe (length) using sch 40 upvc and all necessary fittings, making good upon completion. | Sq.ft | 120 | | |
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|---|--|-------|-----|--|--|
| r | Prepare concrete mix with a ratio of 1 part Portland cement, 2 parts sand, and 3 parts gravel (i.e., 1:2:3) with the use of Poly V7 cement binder, plasticizers or accelerators N.B Add water gradually to achieve the desired consistency, ensuring the mix is workable but not too wet. | Sq.ft | 120 | | |
| | | | | | |
| s | Pour the first layer of concrete onto the prepared surface, starting at the lowest point of the slipper drain and working upward, creating an appropriate grade for outlet flow; use a screed to level the concrete, ensuring an even and smooth surface and apply a float to further smooth the surface and eliminate any air pockets. Thereafter, apply a second layer of concrete for additional thickness and strength and repeat the levelling and smoothing process using a screed and float, making good upon completion. | Sq.ft | 120 | | |
| | | | | | |
| t | Apply a brush or broom finish to the surface to create a non-slip texture and use an edging tool to create clean, defined edges along the sides of the slipper drain, making good upon completion. N.B. Ensure the finish is uniform and follows the direction of water flow in the drain. | Item | | | |
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|---|---|----------|-----|--|--|
| u | Cover the resurfaced concrete drain with a curing blanket or plastic sheeting to retain moisture and keep the surface moist for at least 7 days to allow proper curing and prevent cracking, making good upon completion. N.B Apply a curing compound to the surface as per the manufacturer's instructions to promote proper hydration and strength development. | Item | | | |
| | | | | | |
| v | Once the concrete has cured, clean the surface again to remove any residue or dust and apply a concrete sealant to protect the surface from water, chemicals, and abrasion, making good upon completion. N.B Ensure the sealant to dry completely before allowing any water flow or traffic on the surface. | Item | | | |
| | | | | | |
| | <u>Fence Works</u> | | | | |
| w | Provision for the servicing of perimeter chain link fence of school by inspecting for breaches and changing where necessary, this includes but is not limited to the replacement of schedule 40 GI posts to match existing, provision and placing of 10 gauge chain link wire pulled with chain block, come-along or other approved equipment, isolated column bases for post footing 2' below and above ground level, with width 12" x 12" - compact base of trench using jumper or wacker-plate and cast in-situ to reinforced concrete curb with all form and false work, where necessary, making good upon completion. Allow for the removal of all vegetation on and around the existing perimeter chain link fence making good upon completion. Apply one (1) coat of etching primer and three (3) coats ultra Spec direct-to-metal (DTM) paint and two (2) coats of marine or epoxy-based protective paint to all metal surfaces after rust treatment and leave to dry all surfaces, making good upon completion. (Contractor is responsible for accurate measurements). N.B Remove and cart away to an approved dumping site, all replaced items. | Lin. ft. | 600 | | |
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|---|--|-------|-----|--|---------------|
| x | Repairs to internal wall crack in Infants, Junior classrooms and external areas of the school by chipping opened concrete surfaces, clean area and steel reinforcements (replacing steel reinforcements where necessary) and apply Grey Oxide Primer on all steel reinforcements allowing areas to dry then render concrete surfaces with 1" thick 1:3 mortar of cement and sharp sand with the use of Poly V7 cement binder; repaint surfaces by applying one (1) coat of Loxon Primer and two (2) coats of Captivate Interior 351 Premium Paint (Odourless Paint) to all concrete surfaces. Colour to match existing. (N.B remove and cart away all replaced items to an approved dumping site). | PS | | | TT\$9,000.00 |
| | | | | | |
| | <u>Roof Works</u> | | | | |
| y | Thoroughly inspect entire galvanize roof system of the school for any leaks including but not limited to the replacement of any damaged rafters, laths, fascia boards, galvanize sheets (i.e., using gauge 26 colour clad galvanize sheets), replacement of existing screws using STF Marine Grade screws, flashing, rotted ironmongery, drip edge, ridge cap, hurricane straps, etc., (i.e., all rust treated), replace all corroded roofing metal plate brackets where required, ensuring they are coated with three (3) coats of Ultra Spec direct-to-metal (DTM) paint and two (2) coats of marine or epoxy-based protective paint when installing; waterproofing parapet walls, making good any damaged areas. Allow for the replacement of all defective groove ply for the ceiling painting to match existing with all necessary sundries, making good upon completion. | PS | | | TT\$95,000.00 |
| | | | | | |
| z | Allow for the repair/replacement of all defective gypsum ceiling in the Junior and Senior blocks, using weather board gypsum with all necessary stripping, mudding, sanding, painting and other sundries, making good upon completion. | Sq.ft | 900 | | |
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| A2 | Allow for a provisional sum for additional miscellaneous works instructed by Dertech | PS | | | TT\$35,000.00 |
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| | Sub-Total | | | | |
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| | If registered - Vat 12.5% | | | | |
| | | | | | |
| | TOTAL | | | | |
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Project 3

PROJECT LOCATION: Speyside Secondary School

PROJECT SCOPE: Remedial Repair and Waterproofing to Concrete s Metal Roofs and Walkway Surfaces

| Item # | DESCRIPTION | SUBTOTAL |
|--------|------------------------------|----------|
| A | PRELIMINARIES | |
| B | REMEDIAL CONCRETE WORKS | |
| C | CONCRETE WATERPROOFING WORKS | |
| D | PAINTING WORKS | |
| E | METAL WATERPROOFING WORKS | |
| | SUB-TOTALS | |
| | VAT- 12.5% | |
| | CONTRACT SUM | |

| ITEM | DESCRIPTION OF WORK | QTY. | UNIT | RATE (\$) | AMOUNT (\$) |
|------|---------------------|------|------|-----------|-------------|
|------|---------------------|------|------|-----------|-------------|

| | | | | | |
|----------|--|--|------|--|--|
| | PREAMBLES | | | | |
| | Project Name: Remedial Roof Repair and Waterproofing Location: Speyside Secondary School - BUILDING B1, B2, A s L Description of Works: General Roof Repairs and Waterproofing Works to Concrete, Metal and Walkway Roof Surfaces | | | | |
| A | PRELIMINARIES | | | | |
| 1 | Site supervision, establishment, and running costs, including site office, utilities, communication, and security provisions as necessary. | | item | | |
| 2 | General labour, plant, equipment hire, temporary works, edge protection, and scaffolding as required for safe roof access and operations. | | item | | |
| | <i>N.B. Warranty Agreements must be issued on Products for no less than ten (10) years and Installation no less than one (1) year.</i> | | | | |
| 3 | Workmen's Compensation, Contractors All Risks (CAR) Insurance, Public Liability Insurance, and any other insurances necessary to protect workers, the site, and third parties during the works. | | item | | |
| 4 | Health, Safety, and Environmental (HSE) compliance measures, including provision of all personal protective equipment (PPE), first aid kits, and adherence to safe work practices. <i>Include for all necessary equipment, materials, signage, and barriers required for effective HSE management and installation.</i> | | item | | |
| 5 | Allow for the careful removal, protection, and subsequent reinstallation of all affected equipment, mechanical, electrical, and plumbing (MEP) fixtures and fittings. All works to be carried out with due care to prevent damage, ensuring full functionality and maintaining the integrity and effectiveness of all systems. | | item | | |
| 6 | Final cleaning of roof surfaces and adjacent areas upon completion of waterproofing works, including removal of debris, protective coverings, and temporary installations. | | item | | |

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| 7 | Comprehensive final inspection and testing of the waterproofed areas, including submission of a detailed inspection and QA/QC documentation, including photographic records, compliance certifications, and a final report with graphics, methodology, specifications, and a detailed materials data, as required at the mandatory site visit. | | item | | |
| | Preliminaries Sub Total | | | | |
| B | REMEDIAL CONCRETE WORKS | | | | |
| | <i>Repair to Concrete Spalling</i> | | | | |
| 8 | Remove deteriorated concrete around the spalled area, exposing rusted reinforcing steel as much as possible, to prepare the surface for repair, including but not limited to cleaning loose particles and dust, and vacuuming area. | | | | |
| 8.1 | <i>To building B1</i> | | item | | |
| 8.2 | <i>To building B2</i> | | item | | |
| 8.3 | <i>To building A</i> | | item | | |
| | | | | | |
| 9 | Apply suitable rust converter to all rusted reinforcement and let cure. | | | | |
| 9.1 | <i>To building B1</i> | | item | | |
| 9.2 | <i>To building B2</i> | | item | | |
| 9.3 | <i>To building A</i> | | item | | |
| | | | | | |
| 10 | Apply 2 coats of epoxy primer to all exposed rebar, allowing ample cure times between applications | | | | |
| 10.1 | <i>To building B1</i> | | item | | |
| 10.2 | <i>To building B2</i> | | item | | |
| 10.3 | <i>To building A</i> | | item | | |
| | | | | | |
| 11 | Apply a High-viscosity, epoxy-based repair compound, (for strong adhesion, structural reinforcement and specifically | | | | |

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| | formulated for vertical or overhead application), to affected area, all to the manufacturers specifications. | | | | |
| 11.1 | <i>To building B1</i> | | item | | |
| 11.2 | <i>To building B2</i> | | item | | |
| 11.3 | <i>To building A</i> | | item | | |
| | | | | | |
| 12 | Apply a high-strength, polymer-modified, vertical and overhead repair mortar, specifically formulated for use in vertical and overhead applications and installed as per manufacturer's specifications. | | | | |
| | <i>N.B. Patch must achieve a minimum of 5000psi after 28 days. All materials/chemicals must be approved by PIU representative before installation. Work to be completed to the highest industry standards.</i> | | | | |
| 12.1 | <i>To building B1</i> | | item | | |
| 12.2 | <i>To building B2</i> | | item | | |
| 12.3 | <i>To building A</i> | | item | | |
| | | | | | |
| | Remedial Concrete Works Sub Total | | | | |
| C | CONCRETE WATERPROOFING WORKS | | | | |
| 13 | Preliminary detailed inspection as per product installation instructions, including but not limited to identifying problems in flashing, general cracks, etc. to roof and walkways. | | | | |
| | <i>N.B. include for Block B1, B2 and Block A. Surface preparation of concrete roof areas by cleaning using a high-pressure power washer at no less than 3000 psi, scraping, mopping and wiping, to remove all dust, grease, asphaltic-based patching material, etc!</i> | | | | |
| 13.1 | To Block B1 (Classrooms 1 to 3) | 2525 | sf | | |
| 13.2 | To Block B2 (Classrooms 4 to 7) | 3340 | sf | | |
| 13.3 | To Block A (Admin, Staffroom) | 6032 | sf | | |

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| 14 | Allow for but not limited to the repair of broken masonry edges along joints and concrete roof, using Self Level 5000, as well as other necessary masonry works, where necessary. Ensure the entire Blocks and areas where works were conducted are clean of all debris and are removed and cart away to an approved dumping site. | | | | |
| C | CONCRETE WATERPROOFING WORKS Cont'd... | | | | |
| | <i>Provision for but not limited to the supply and installation of FSH and FV 1" x 4" Joints with Master Seal 101, Master Seal NP1, Wabo Fire Shield and Backer rod for horizontal and vertical Joints, (or equal and equivalent specifications), making good upon completion....</i> | | | | |
| 14.1 | To Block B1 (Classrooms 1 to 3) | 2525 | sf | | |
| 14.2 | To Block B2 (Classrooms 4 to 7) | 3340 | sf | | |
| 14.3 | To Block A (Admin, Staffroom) | 6032 | sf | | |
| | Waterproofing Installation | | | | |
| 15 | Allow for the priming and installation of horizontal Thermotek Silicone Waterproofing System (<i>or equal and equivalent specifications</i>); including but not limited to Thermotek X99, Thermotek Cement, Thermotek Malla Reforzada and Thermotek Max 10, to concrete roofs, making good upon completion. | | | | |
| 15.1 | To Block B1 (Classrooms 1 to 3) | 2525 | sf | | |
| 15.2 | To Block B2 (Classrooms 4 to 7) | 3340 | sf | | |
| 15.3 | To Block A (Admin, Staffroom) | 6032 | sf | | |
| | <i>(N.B. Materials to be used based on manufacturer's recommendation and specifications).</i> | | | | |
| | | | | | |
| | Concrete Waterproofing Works Sub Total | | | | |
| D | PAINTING WORKS | | | | |
| | <i>To Block A Entrance Walkway</i> | | | | |

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|----------|---|--|------|--|--|
| 16 | Allow for scraping and remove flaking, chalking and bubbling paint on all external surfaces. Where necessary, chemical strippers and sanding may be required. Thoroughly clean all identified concrete wall surfaces of all specified locations, which also includes the concrete roof slabs and parapet walls, (if applicable), of all debris and dust particles by power washing (using at least 3000 psi), cleaning the surfaces by removal of all dirt, oil, Mold, algae, fungi, etc. | | item | | |
| 17 | Allow for repainting above front walkway with school signage, using Apply one (1) coat of PPG Pigmented Acrylic Sealer (Primer) and two (2) coats of Pittsburgh Rekolor Pro Semigloss Paint (<i>or equal and equivalent specifications</i>) to wall surfaces of all specified locations, making good upon completion. Colour to be approved by PIU Officer and Principal. Include <i>N.B The Contractor is not to mix paint with water or any other liquid to perform the painting works. Painting works to be competed after Waterproofing Installation.</i> | | item | | |
| | Painting Works Sub Total | | | | |
| E | METAL WATERPROOFING WORKS | | | | |
| | <i>Remedial Roof Repairs to Block L</i> | | | | |
| 18 | Preliminary detailed inspection as per product installation instructions, including but not limited to identifying problems in flashing, general cracks, etc. to roof and walkways. | | item | | |
| 19 | Installation of all necessary flashings, terminations, penetrations, and detailing works to ensure full waterproofing integrity. | | item | | |
| 20 | Allow for but not limited to the replacement of damaged galvanise sheets and screws, with new, where necessary. Ensure all areas are clean of all debris, and remove and cart away to an approved dumping site. | | item | | |
| 21 | Apply suitable rust converter to rusted areas that are not completely damaged | | item | | |

| | | | | | |
|----------|--|------|----|--|--|
| | <i>Surface preparation of metal roof surfaces by cleaning using a high- pressure power washer at no less than 3000 psi, scraping, mopping and wiping, to remove all dust, grease, asphaltic-based flashing, etc!</i> | | | | |
| 22 | To Block L | 7409 | sf | | |
| E | METAL WATERPROOFING WORKS Cont'd... | | | | |
| | <i>Waterproofing Installation</i> | | | | |
| | Allow for the priming and installation of horizontal Thermotek Acrylic Waterproofing System, <i>(or equal and equivalent specifications)</i> ; including but not limited to Thermotek Metal Primer, Thermotek Duramastic, Thermotek Poly mesh and Thermotek Max 10, to metal roof surfaces, making good upon completion. | | | | |
| 23 | To Block L | 7409 | sf | | |
| | <i>(N.B. Materials to be used based on manufacturer's recommendation and specifications).</i> | | | | |
| | | | | | |
| | Metal Waterproofing Works Sub Total | | | | |
| | | | | | |
| | Sub-Totals | | | | |
| | | | | | |
| | If registered - Vat 12.5% | | | | |
| | | | | | |
| | Contract Sum | | | | |
| | | | | | |
| | TOTAL | | | | |

NOTE

1. All works to be conducted should adhere to FIDIC Forms of Contract, Trinidad and Tobago Regulations, Safety Practices and
2. The maintenance works to be conducted are not limited to the scope of works; therefore, attachment of your findings can be added to

N/A - Not Applicable

Recommendation:

(Remarks/Comments)

Contractor signature:/ Date:

COMPANY STAMP

Project 4

Addendum #2 - Roxborough Anglican Primary School - Roof Works

| Item # | DESCRIPTION | SUBTOTAL |
|--------|------------------------------|----------|
| A | PRELIMINARIES | |
| B | REMEDIAL CONCRETE WORKS | |
| C | CONCRETE WATERPROOFING WORKS | |
| D | METAL WATERPROOFING WORKS | |
| | SUB-TOTALS | |
| | VAT- 12.5% | |

| | |
|--------------|--|
| CONTRACT SUM | |
|--------------|--|

| ITEM | DESCRIPTION OF WORK | QTY. | UNIT | RATE (\$) | AMOUNT (\$) |
|----------|--|------|------|-----------|-------------|
| | PREAMBLES | | | | |
| | Project Name: Remedial Roof Repair and Waterproofing Location: Roxborough Anglican Primary - BLOCKS A, B, C s D Description of Works: General Roof Repairs and Waterproofing Works to Concrete, Metal and Walkway Roof Surfaces | | | | |
| A | PRELIMINARIES | | | | |
| 1 | Site supervision, establishment, and running costs, including site office, utilities, communication, and security provisions as necessary. | | item | | |
| 2 | General labour, plant, equipment hire, temporary works, edge protection, and scaffolding as required for safe roof access and operations. | | item | | |
| | <i>N.B. Warranty Agreements must be issued on Products for no less than ten (10) years and Installation no less than one (1) year.</i> | | | | |
| 3 | Workmen's Compensation, Contractors All Risks (CAR) Insurance, Public Liability Insurance, and any other insurances necessary to protect workers, the site, and third parties during the works. | | item | | |
| 4 | Health, Safety, and Environmental (HSE) compliance measures, including provision of all personal protective equipment (PPE), first aid kits, and adherence to safe work practices. <i>Include for all necessary equipment, materials, signage, and barriers required for effective HSE management and installation.</i> | | item | | |
| 5 | Allow for the careful removal, protection, and subsequent reinstallation of all affected equipment, mechanical, electrical, and plumbing (MEP) fixtures and fittings. All works to be carried out with due care to prevent damage, ensuring full functionality and maintaining the integrity and effectiveness of all systems. | | item | | |

| | | | | | |
|----------|--|--|------|--|--|
| 6 | Final cleaning of roof surfaces and adjacent areas upon completion of waterproofing works, including removal of debris, protective coverings, and temporary installations. | | item | | |
| 7 | Comprehensive final inspection and testing of the waterproofed areas, including submission of a detailed inspection and QA/QC documentation, including photographic records, compliance certifications, and a final report with graphics, methodology, specifications, and a detailed materials data, as required at the mandatory site visit. | | item | | |
| | Preliminaries Sub Total | | | | |
| B | REMEDIAL CONCRETE WORKS | | | | |
| | <i>Repair to Concrete Spalling [Approx. Area: 80sf]</i> | | | | |
| 1 | Remove deteriorated concrete around the spalled area, exposing rusted reinforcing steel as much as possible, to prepare the surface for repair, including but not limited to cleaning loose particles and dust, and vacuuming area. | | item | | |
| 2 | Apply suitable rust converter to all rusted reinforcement and let cure. | | item | | |
| 3 | Apply 2 coats of epoxy primer to all exposed rebar, allowing ample cure times between applications | | | | |
| 4 | Apply a High-viscosity, epoxy-based repair compound, (for strong adhesion, structural reinforcement and specifically formulated for vertical or overhead application), to affected area, all to the manufacturers specifications. | | item | | |
| 5 | Apply a high-strength, polymer-modified, vertical and overhead repair mortar, specifically formulated for use in vertical and overhead applications and installed as per manufacturer's specifications. | | item | | |
| | <i>N.B. Patch must achieve a minimum of 5000psi after 28 days. All materials/chemicals must be approved by PIU representative before installation. Work to be completed to the highest industry standards.</i> | | | | |
| | | | | | |
| | Remedial Concrete Works Sub Total | | | | |
| C | CONCRETE WATERPROOFING WORKS | | | | |

| | | | | | |
|----------|--|-------|------|--|--|
| 1 | Carefully remove the existing metal roof overhang in areas above the concrete roofing to allow access for waterproofing, and reinstall upon completion, ensuring all areas are restored to their original condition. | | item | | |
| 2 | Preliminary detailed inspection as per product installation instructions, including but not limited to identifying problems in flashing, general cracks, etc. to roof and walkways. | | item | | |
| 3 | Surface preparation of concrete roof areas (Block B & C) by cleaning using a high-pressure power washer at no less than 3000 psi, scraping, mopping and wiping, to remove all dust, grease, asphaltic-based patching material, etc! | 2507 | sf | | |
| 4 | Ditto but to walkways and ceiling of walkways, ditto. | 4096 | sf | | |
| 5 | Allow for but not limited to the repair of broken masonry edges along joints and concrete roof, using Self Level 5000, as well as other necessary masonry works, where necessary. Ensure the entire Blocks and areas where works were conducted are clean of all debris and are removed and cart away to an approved dumping site. | | item | | |
| 6 | Provision for but not limited to the supply and installation of FSH and FV 1" x 4" Joints with Master Seal 101, Master Seal NP1, Wabo Fire Shield and Backer rod for horizontal and vertical Joints, (or equal and equivalent specifications), making good upon completion.... To concrete roofs (Block C & D). | | item | | |
| | Waterproofing Installation | | | | |
| 7 | Allow for the priming and installation of horizontal Thermotek Silicone Waterproofing System (or equal and equivalent specifications); including but not limited to Thermotek X99, Thermotek Cement, Thermotek Malla Reforzada and Thermotek Max 10, making good upon completion... To concrete roofs (Block C & D). | 2,507 | sf | | |
| 8 | Ditto but to walkways and ceiling of walkways, ditto. | 4,096 | sf | | |
| | (N.B. Materials to be used based on manufacturer's recommendation and specifications). | | | | |
| | | | | | |
| | Concrete Waterproofing Works Sub Total | | | | |
| D | METAL WATERPROOFING WORKS | | | | |

| | | | | | |
|----|--|-------|------|--|--|
| | Remedial Roof Repairs to Metal Surfaces Block A, B, C and D | | | | |
| 9 | Preliminary detailed inspection as per product installation instructions, including but not limited to identifying problems in flashing, general cracks, etc. to roof and walkways. | | item | | |
| 10 | Allow for but not limited to the replacement of damaged galvanise sheets and screws, with new, where necessary. Ensure all areas are clean of all debris, and remove and cart away to an approved dumping site. | | item | | |
| 11 | Apply suitable rust converter to rusted areas that are not completely damaged | | item | | |
| 12 | Surface preparation of metal roof surfaces by cleaning using a high- pressure power washer at no less than 3000 psi, scraping, mopping and wiping, to remove all dust, grease, asphaltic-based flashing, etc! | 4371 | sf | | |
| | Waterproofing Installation to Blocks A, B, C and D | | | | |
| 13 | Allow for the priming and installation of horizontal Thermotek Acrylic Waterproofing System, (or equal and equivalent specifications) ; including but not limited to Thermotek Metal Primer, Thermotek Duramastic, Thermotek Poly mesh and Thermotek Max 10, to metal roof surfaces, making good upon completion. | 4,371 | sf | | |
| | (N.B. Materials to be used based on manufacturer's recommendation and specifications). | | | | |
| | | | | | |
| | Metal Waterproofing Works Sub Total | | | | |
| | | | | | |
| | Sub-Totals | | | | |
| | | | | | |
| | If registered - Vat 12.5% | | | | |
| | | | | | |
| | Contract Sum | | | | |

| | | | | | |
|--|-------------|--|--|--|--|
| | | | | | |
| | Contingency | | | | |
| | | | | | |
| | TOTAL | | | | |

NOTE

1 All works to be conducted should adhere to the required, Trinidad and Tobago electrical wiring codes (Regulations), safety practices

2. The maintenance works to be conducted are not limited to the scope of works; therefore, attachment of your findings can be added to

N/A - Not Applicable

Recommendation:

(Remarks/Comments)

Name C number of register License wireman (mandatory)

Contractor signature:/ Date:

COMPANY STAMP

PROJECT 5

LOCATION: Scarborough Methodist Primary School

PROJECT SCOPE: Addendum #1-Roof Water-Proofing & Structural Repairs Package 2025

| ITEM | DESCRIPTION OF WORK | UNIT | QTY. | RATE (\$) | AMOUNT (\$) |
|------|---|------|------|-----------|-------------|
| | Preliminaries- to include: | | | | |
| | A PRELIMINARIES/GENERAL CONDITIONS | | | | |
| | A10 Project particulars | | | | |
| | TITLE OF PROJECT AND POSTAL ADDRESS | | | | |
| | Scarborough Methodist Primary School Roof Water-Proofing Works | | | | |
| | NAMES AND ADDRESSES OF: | | | | |
| | Employer : The Division Of Education, Research and Technology | | | | |
| | Dutch Fort Plaza, Dutch Fort, Scarborough, Tobago | | | | |
| | A13 Description of the work | | | | |
| | Not defined | | | | |
| | A20 The contract/sub-contract | | | | |
| | Form of contract : Fidic Green Book | | | | |

| | | | | | |
|---|--|------|--|--|--|
| A | Employers insurance responsibility, workmen Compensations and public liability | Item | | | |
| | A34 Employer's requirements: Security/Safety/Protection | | | | |
| | Safety health and welfare | | | | |
| | safety, health, and welfare, fixed charge, as necessary to ensure protection to employees while working. | Item | | | |
| | A44 Contractor's general cost items: Temporary works | | | | |
| | Scaffolding up to 30ft high | Item | | | |
| | Independent scaffolding | | | | |
| | Erect and subsequently dismantle | | | | |
| | | | | | |
| | Preliminaries C/F | | | | |
| | | | | | |
| B | <u>Solar Panel Installation s U Blocks- Roofing s</u> | | | | |
| | <u>Structural Repairs</u> | | | | |
| | | | | | |
| a | Allow for but not limited to the repair of broken masonry edges along joints and concrete roof, cracks on columns and beams using Self Level 5000 or equally and approved product specifications, with all other necessary masonry works and the replacement of damaged galvanise sheets, roof members, reinforcements and screws, with new where necessary. Ensure the areas where works were conducted are clean of all debris and are removed and cart away to an approved dumping site. | Item | | | |
| | | | | | |
| | <i>N.B. Concrete works must achieve a minimum of 5000psi after 28days. All materials/chemicals must be approved by PIU representative before installation. Works to be completed to the highest industry standards.</i> | | | | |

| | | | | | |
|---|--|-------|-------|--|--|
| | | | | | |
| b | Allow for but not limited to the surface preparation, priming and installation of horizontal and slope grade Thermotek X99, MasterSeal® Traffic 1500 and MasterSeal® NP 1™, or equally and approved product specifications, on all metal and concrete roofs, concrete slabs, and surfaces, making good upon completion. | Sq.ft | 4,050 | | |
| | | | | | |
| c | Supply and completely install, both internally and externally, at both the front and back walls, including but not limited to installing Master Seal Np1 and consumables or using equally and approved product specifications, to all walls identified, making good upon completion. | Sq.ft | 1,680 | | |
| | | | | | |
| | <i>N.B. Warranty Agreements must be issued on Products for no less than ten (10) years and Installation no less than one (1) year.</i> | | | | |
| | | | | | |
| | <i>The Contractor shall submit detailed product data sheets for all proposed equally approved products. These data sheets must include specifications, performance criteria, and manufacturer certifications to verify compliance with project requirements. Any proposed substitutions must be pre-approved by the Client and demonstrate equivalent quality, durability, and performance to the specified materials. Failure to meet these requirements may result in rejection of materials.</i> | | | | |
| | | | | | |
| C | <u>Installation of Movement Joints -Solar Panel Installation Block</u> | | | | |

| | | | | | |
|---|--|---------|-----|--|---------------|
| a | Provision for but not limited to the supply and installation (i.e., internally and externally at the top and bottom) of FSH 1" x 4" 2 hr rating Movement Joints for floors and FSV 1"x 4" 2 hr rating for walls (horizontal and vertical respectively), with Master Seal 101 and Backer rod for horizontal and vertical Joints, or using equally and approved product specifications, making good upon completion. | Lin.ft. | 300 | | |
| | | | | | |
| | <i>N.B. Warranty Agreements must be issued on Products for no less than ten (10) years and Installation no less than one (1) year.</i> | | | | |
| | | | | | |
| | <i>The Contractor shall submit detailed product data sheets for all proposed equally approved products. These data sheets must include specifications, performance criteria, and manufacturer certifications to verify compliance with project requirements. Any proposed substitutions must be pre-approved by the Client and demonstrate equivalent quality, durability, and performance to the specified materials. Failure to meet these requirements may result in rejection of materials.</i> | | | | |
| | | | | | |
| b | Allow for a provisional sum for additional miscellaneous works instructed by Dertech | PS | | | TT\$45,000.00 |
| | | | | | |
| | Sub-Total | | | | |
| | | | | | |
| | If registered - Vat 12.5% | | | | |
| | | | | | |
| | TOTAL | | | | |
| | | | | | |
| | | | | | |

