



Government of the Republic of Trinidad and Tobago
Ministry of Sport and Youth Affairs

TENDER DOCUMENT

FOR THE

**PROPOSED UPGRADES TO PLUMBING, ELECTRICAL AND MECHANICAL
INSTALLATIONS,**

**AT THE COUVA COMMUNITY SWIMMING POOL – RAILWAY STATION
ROAD, COUVA.**

FOR

**THE GOVERNMENT OF THE REPUBLIC OF
TRINIDAD AND TOBAGO**

PUBLIC PROCUREMENT ADVERTISEMENT

The Ministry of Sport and Youth Affairs invites tenders for the following Project:

#	Project Facility	Name of Tender	Mandatory Pre-Submission Briefing/Site Visit	Closing Date/Time
1	Couva Community Swimming Pool	Upgrades to Plumbing, Electrical and Mechanical Installations	Friday 3rd May, 2019 12:00 p.m.	Wednesday 15th May, 2019 1:00 p.m.

ELIGIBILITY

Submission of tenders is open to all contractors registered in Trinidad and Tobago who possess the expertise, experience and financial resources to undertake selected project(s).

Only Proponents signing the Attendance Register at the respective Mandatory Pre-Submission Briefing/Site Visit and submitting valid Mandatory Statutory Certificates (Income Tax Certificate, VAT Certificate and National Insurance Board Compliance Certificate) will qualify to be evaluated.

EVALUATION CRITERIA (TECHNICAL/FINANCIAL)

Tender submissions will be evaluated according to the following basic criteria:

- i. Proposed Implementation Time (10 pts. Max)
- ii. General Background of the Firm (5 pts. Max)
- iii. Performance History (10 pts. Max)
- iv. Work Experience of the Firm in performing services for projects of similar nature (10 pts. Max)
- v. Methodology and Work Plan (10 pts. Max)
- vi. Curricula Vitae of Proposed Key Professional Staff (5 pts. Max)
- vii. Fee (30 pts. Max)
- viii. Financial Capability of the Firm (20 pts. Max.)

Proponents are advised that Tender Documents will be available from Friday 26th April, 2019:

- From the Ministry of Sport and Youth Affairs' website at www.sport.gov.tt

Contractors are required to submit One (1) printed Original of the Proposal comprising a Technical Proposal and a Financial Proposal, in a sealed envelope properly labelled with the Name of Tender.

Complete Proposals must be addressed to:

Permanent Secretary
Ministry of Sport and Youth Affairs
#2 Elizabeth Street, St. Clair, Port-of-Spain

Sealed packages must be placed in the appropriately marked tender box, located in the Procurement Unit, 3rd Floor of the Ministry of Sport and Youth Affairs, #2 Elizabeth Street, St. Clair, Port-of-Spain. Late submissions will not be considered. Tender submissions will not be accepted electronically.

It shall be noted that:

- i. The Ministry of Sport and Youth Affairs reserves the right to cancel the present tender process in its entirety or partially, without defraying all costs associated with the preparation and submission of the Proposal;
- ii. The Ministry of Sport and Youth Affairs does not bind itself to accept the lowest price of any Proposal submitted.

Further information or clarification can be obtained from the Procurement Unit, at the Ministry of Sport and Youth Affairs Telephone 1 868 – 628 - MSYA (6792) Extensions 5101, 5102 or 5103.

Permanent Secretary
Ministry of Sport and Youth Affairs
26th April, 2019

**PROPOSED UPGRADES TO PLUMBING, ELECTRICAL AND MECHANICAL INSTALLATIONS,
AT COUVA COMMUNITY SWIMMING POOL – RAILWAY STATION ROAD, COUVA.**

CONTENT

1.0 PRELIMINARIES AND GENERAL CONDITIONS

2.0 MATERIALS AND WORKMANSHIP

3.0 WORK TO BE DONE

4.0 GENERAL SUMMARY

5.0 TECHNICAL AND FINANCIAL SPECIMEN FORMS*

Form 1: Appendix to Tender

Form 2: Form of Tender

Form 3: Applicant Information Sheet

Form 4: Work Experience of Firm

Form 5: Similar Type of Works

Form 6: General Background and Organization

Form 7: Methodology and Work Plan

Form 8: Curricula Vitae for Proposed Key Professional Staff

***ALL FORMS ARE TO BE FILLED OUT AND RETURNED IN THE PROPOSAL**

1.0 PRELIMINARIES AND GENERAL CONDITIONS



Government of the Republic of Trinidad and Tobago
Ministry of Sport and Youth Affairs

NAME OF PROJECT:

Proposed Upgrades to Plumbing, Electrical and Mechanical Installations, at the Couva Community Swimming Pool, Railway Station Road, Couva.

EMPLOYER:

Permanent Secretary
Ministry of Sport and Youth Affairs
#2 Elizabeth Street
St Clair

PROJECT MANAGER:

Project Management Unit
Ministry of Sport and Youth Affairs
#2 Elizabeth Street, St Clair
Port-of-Spain

Or any other person/s authorized to
act on their behalf

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

Description of Works

The work entails upgrades to the electrical installations throughout the facility and repairs and installation of additional security lighting on the compound.

Scope of Works

The works comprise the following:

1. Demolition to remove plumbing installations, light fixtures and windows.
2. Repairs to damaged plumbing, fittings and fixtures
3. Installation of new water supply lines, shower fittings and fixtures.
4. Installation of new lighting fixtures.
5. Service/Repairs to pumps, motors, sand filters and pressure tanks.
6. Service/Repairs to pool vacuum.
7. Supply and installation of new sand filter and chlorinator
8. Service/Repair to electrical control panels.
9. Renovation of buildings.
10. Painting pavilion.
11. Fabrication and installation staircase handrails to technical staff room.

Location of Site

The site of the proposed works is located at the Couva Community Swimming Pool, Railway Station Road, Couva.

Possession of site

To be agreed upon the Award of Contract. The works shall be executed in a manner to cause the least disturbance to the other operations on the site. An area for the storage of material would be identified in consultation with the Facility Manager or his representative.

To Collection \$ _____

PRELIMINARIES AND GENERAL CONDITIONS

INSTRUCTIONS TO TENDERERS

A. (Tenderers are advised to read all instructions carefully. Failure to follow these instructions may result in rejection of your offer).

1. Tenders must be accompanied by a valid up-to-date Income Tax Clearance Certificate issued by the Board of Inland Revenue.
2. Tenderers who are registered for Value Added Tax must:
 - a. Provide a valid up-to-date Value Added Tax Clearance Certificate.
 - b. Show the tax separately below the tender price.
3. Tenderers are advised to note:
 - a. Where a person or firm imports goods that are exempt from payment of Customs Duty, under Item 20 of the 2nd Schedule of the Customs Ordinance, Value Added Tax shall not be charged upon the entry of the goods so imported or taken out of bond, by or on behalf of the Central Government for its own use;
 - b. The treatment of Value Added Tax on the supply of goods ex-stock and, as well services in Trinidad and Tobago to the Central Government will remain the same, subject to the rate of tax appropriate to such supplies.
4. Tenderers must provide the following in their tender:
 - a. An assurance that prices would remain valid for an initial minimum period of ninety (90) days from the closing date of tender.
 - b. A firm delivery period.
 - c. Guaranteed offer.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

INSTRUCTIONS TO TENDERERS

- A. **Text to be definitive**
Do not alter, add to or modify the text of the specifications as this will not be recognized or taken into account and could lead to a disqualification of the tender. If the Tenderer wishes to make an observation as to the printed text in connection with the rates or prices he had inserted, such observation shall form the subject of a separate letter to accompany his tender.
- B. **Pricing**
Price in ink each item in the specification which is considered to have a money value. If the Tenderer omits to price any item it will be deemed that either he will perform the services described free of charge or that the cost of such services has been included against items appearing elsewhere in the specification.
- C. Prices inserted unless otherwise stated, shall be deemed to include for all duties, taxes, materials, plant and tools, transportation, labour and supervision and all other costs necessary for the timely execution of the works.
- D. Prices are to be submitted in Trinidad and Tobago Dollars (TT \$) and exclusive of Value Added Tax. This is to be stated along with tender submission to ensure clarity in interpretation of prices.
- E. **Fluctuations**
No adjustment will be made for cost increases/decreases which take place during the period stipulated for carrying out the works except the same are as a consequence of the introduction of or changes to statutory regulations.
- F. **Queries**
The Tenderer shall refer all queries arising out of this tender to the Procurement Unit's Representative whose decision for the purpose of tendering shall be final.
- G. Queries shall be raised not later than five (5) days before the closing date of tenders, so as to permit the circularizing of the replies to all tenderers, if this is considered necessary.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

INSTRUCTIONS TO TENDERERS (Continued)

- A. **Time**
Time is of the essence in this contract so that the agreed date of completion must be adhered to.
- B. **Submission**
Tenderers must submit the Tender Document duly priced with the completed Form of Tender in a sealed envelope all in accordance with the instructions as outlined in the invitation to tender and including the following.
- C. The full name, signature, office and business address of the Tenderer.
- D. Signature of the person making the offer, or in the case of a Company, partnership or business firm, by a duly authorized officer or employee of such company, partnership or the business firm.
- E. The initials of the person making any offer must be inserted next to any alterations to include clause for correction or erasures made or in the case of a company, discount offered (if any).
- F. **Errors**
The Tender will be checked for arithmetical errors and corrected and the Tender sum adjusted accordingly and with the concurrence of the Tenderer shall be considered to be binding on the Tenderer. If the Tenderer shall not accept the corrected amount, his tender will be rejected and the next lowest Tenderer will be offered the same opportunity. The foregoing is subject to the Employer's right not to accept the lowest or any tender.

Where errors are discovered after acceptance of the Tender, the Tenderer would be deemed to have stood by his accepted corrected tender sum. For the purposes of administering the contract and for interim payments and settlement of accounts, all rates or prices (excluding preliminary items, prime cost and provisional sums) inserted therein by the Tenderer will be reduced or increased in the same proportion as the corrected total of priced items exceeds or falls short of the original total of such items. Alternatively, by agreement with the Tenderer, the total net error shall be added to or deducted from the total shown against Preliminaries, so that the tendered sum remains the same.

To Collection \$ _____

PRELIMINARIES AND GENERAL CONDITIONS

INSTRUCTIONS TO TENDERERS (Continued)

- A. **Acceptance/Rejection of Tenders**
The Employer reserves the right to reject any Tender which does not provide satisfactory evidence that the Tenderers has the technical, physical and financial resources to complete the works within the specified contract period.
- B. The Employer may declare the Tendering void when none of the Tenderers meet the intent of the specification or when it is evident that there has been collusion. In addition, all Tenderers may be rejected if they are substantially higher than the official budget approved by the Employer.
- C. **Cost of Bidding**
The Tenderer shall bear all costs associated with the preparation and submission of his bid and the Employer will in no case be responsible or liable for these costs regardless of the conduct or outcome of the tendering.
- D. **Works Programme**
- (i) The Tenderer shall prepare and submit with his Tender a Draft Programme of the works for approval by the Project Engineering Technician.
 - (ii) The works shall be executed in a manner to cause the least disturbance to users of the facilities.
 - (iii) Tenderer to submit a Method Statement for the Works.
- E. **Contents of Tender Documents**
The tender documents issued for the purpose of soliciting tenders includes:
- a. Scope of Works
 - b. Instructions to Tenderers
 - c. Conditions of Contract
 - d. Specifications
 - e. Form of Tender
- F. The Tender is expected to examine carefully all instructions, conditions, forms and terms. Failure to comply with the requirements of bid submission will be at the Tenderer's own risk.

To Collection\$ _____

PRELIMINARIES AND GENERAL CONDITIONS

CONTRACT PARTICULARS

- A. **Form of Agreement and Conditions of Contract**
The Articles of Agreement and General Conditions of Contract will be the FIDIC Short Form of Contract, a copy of which is available at the Legal Unit of the Ministry of Sport and Youth Affairs.
- B. A copy of the Form of Contract may be inspected at the Legal Unit by appointment during normal working hours.
- C. **Terms and Conditions for Labour and Materials**
Works are to be executed between the hours of 8:00 a.m. and 4:00 p.m. unless further agreed to with the Ministry of Sport and Youth Affairs and in a manner not to hinder the movement of local pedestrian and vehicular traffic. That the Ministry of Sport and Youth Affairs will in no way be liable for any damages which may be caused to utility lines, premises etc, and it will be your responsibility to repair/replace same without any inconvenience to the person/persons concerned.
- D. The price quoted shall be deemed to be in Trinidad and Tobago currency. Prices quoted shall be deemed to include for the provision of all labour, plant for transport for deliveries to site, for temporary storage of materials and plant for transport, for the erection, maintenance and removal of scaffolding, temporary stagings, protection etc. and for all things necessary for the completion of the works in accordance to the reasonable satisfaction of the Employer
- E. That you adhere to the minimum wages bill and fair wage clause.
- F. **Contingency Sum**
Contingency sum is required as per the General Summary. This sum is to be expended at the sole discretion of the Project Co-ordinator.
- G. Contingency items to be agreed with the Ministry of Sport and Youth Affairs before implementation.
- H. **Insurance**
The Contractor shall provide all necessary insurance or indemnify against:-
1. Injury to persons or property
 2. Workmen compensation.
 3. Fire.
 4. Theft.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

SITE PARTICULARS

- A. **Site Visit**
The Contractor is advised to visit the site and ascertain the nature of work to be done, means of access and egress, the availability and positions of essentials services, viz, electricity, water etc., condition of the site, working space and storage of materials and allowance is to be made in the tender for all such factors which may affect execution of the works.
- B. The Contractor is to note that electricity and water are available for use during the works.
- C. **Protection of Public and Private Services**
The Contractor is to protect, uphold, temporarily divert and maintain all pipes, ducts, drains sewer, service mains, overhead cables and the like during the execution of the works. The Contractor is to make good any damage due to any cause within his control at his own expense or pay any costs and charges in connection therewith. Approval shall be obtained at least at two weeks in advance if any services have to be interrupted.
- D. **Siting of Temporary Works and of Permanent Spoil Disposal**
Obtain the approval of the employer to the siting of permanent spoil disposal and of the proposed siting of materials, of temporary spoil and rubbish deposits and of temporary buildings, temporary roads and the like.
- E. **Temporary Road**
The Contractor shall provide, maintain and alter as necessary all temporary roads, tracks, paths, hard standings, pavement crossings, temporary works and the like. Reinstate the ground and all the work disturbed.
- F. **Temporary Water Disposal**
Provide and maintain temporary gutters, channels, drains and the like from the disposal of surface and other water. Alter, shift and adapt from time to time as necessary.
- G. **Safety, Health and Welfare of Work People**
The Contractor is to provide a safe environment for his work people and other users of the compound and members of the public and appropriate personnel protective equipment for his employees. The Contractor is to comply with all the requirements of the Occupational Safety and Health Act No. 1 of 2004 as amended and as pertaining to these works.

To Collection \$ _____

PRELIMINARIES AND GENERAL CONDITIONS

MATERIALS AND WORKMANSHIP

- A. **Best Quality**
Materials and workmanship are to be of the best quality of their respective kinds, for which there is a British Standard or Code of Practice are to conform thereto unless otherwise stated. Workmanship is to conform to sound building practice unless otherwise described or shown.
- B. **Defective Work**
Any defective materials or substandard workmanship not in accordance with this contract shall be removed and replaced at the Contractor's own expense.
- C. **Apply Throughout**
Descriptions of materials and workmanship given in any one Section are to apply throughout the Specification unless otherwise described.
- D. **Brand Names**
Where materials are described by brand or trade names, such names are given as indication of type, quality etc., allow in tendering for these particular materials but alternative may be used with the Employer's approval. If approval is not given the materials described herein must be provided.
- E. All branded materials shall be used strictly in accordance with the respective manufacturer's recommendations and instructions. The Contractor shall be responsible for obtaining from manufacturers all relevant details regarding the use of their products. The Contractor shall bring immediately to the attention of the Employer any difference between the manufacturer's recommendation and the Specification given herein for a decision on which is to take precedence.
- F. **Provide as Necessary**
Provide as necessary all materials required for the proper execution and completion of the works.
- G. Ensure that all materials will be available from stock and if this is not the case, make arrangements for deliveries so that no delay is occasioned due to the non-availability of materials.

To Collection \$ _____

PRELIMINARIES AND GENERAL CONDITIONS

MATERIALS AND WORKMANSHIP (Continued)

- A. **Samples**
Samples of materials, colours, panels or sections of finished work, etc., shall be provided without charge, to the Employer for approval, if required. Keep approved samples on site in an approved position for use as a reference by craftsmen. No material or workmanship which in the opinion of the employer is of a lower quality than the approved sample will be accepted by the Employer.
- B. **Tests**
The Contractor's attention is drawn particularly to the requirements described in the Materials and Workmanship Section of the Bills of Quantities. Provide materials for and carry out tests as and when directed by the Employer. If the results of any tests are unsatisfactory bear the cost of any resulting reconstruction which may be ordered by the Employer.
- C. **Rejected Material**
Materials required to be incorporated into the permanent and finished construction works shall on no account be used for temporary works.
- D. Materials or goods rejected by the Ministry's Representative as unsuitable for incorporation into the works shall immediately be removed from the site.

LABOUR

- E. **Provide as Necessary**
Provide as necessary, all skilled, semi-skilled and unskilled labour required for the execution and completion of the works. Workmanship is to be of the best quality throughout, to the reasonable satisfaction of the Employer.
- F. **Availability**
Ensure that all labour will be available for the works and allow in tender for the additional cost of any importation of labour from other districts that may be deemed necessary.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

MATERIALS AND WORKMANSHIP (Continued)

- A. **Fringe Benefits**
Allow for all costs in respect of National Insurance, Vacation and Public Holiday Leave, Sick Leave, Cost of Living Allowance, Subsistence Allowances, traveling time and expenses and all other emoluments and expenses payable to or in connection with the employment of persons for the works.
- B. Comply with local regulations in force relating to the welfare of work-people on the site or in places where work is being prepared for incorporation into the works and keep and maintain, at all times, an adequate First Aid Kit on the site.
- C. **Overtime**
No work is to be executed outside normal working hours without the prior consent of the Employer. Include in the tender for any overtime work which may be considered necessary in order to complete the Works by the agreed date.
- D. **Supervision**
Provide a competent foreman-in-charge and all other site staff, necessary of the proper supervision of the works. Any instructions given by the Ministry's Representative to the foremen-in-charge shall be deemed to be given to the Contractor.

TRANSPORT

- E. Provide all necessary transport for labour and plant.

PLANT, TOOLS AND VEHICLE

- F. Provide all mechanical and non-mechanical plant necessary for the proper execution of the works.
- G. Provide and install all necessary hoists, ladders, tools and other plant and vehicle and allow for altering, adapting and maintaining them as necessary and remove when no longer required.
- H. Provide all surveying instruments, temporary benchmarks and labour for setting-out and leveling.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

MATERIALS AND WORKMANSHIP (Continued)

- A. **General scaffolding**
Provide all necessary temporary scaffolding for the proper execution and completion of the contract and alter, shift and adapt from time to time as necessary. Re-erect, at own expense, if so required, any scaffolding which has been struck before ascertaining whether it is required by any sub-contractor nominated or otherwise.
- B. **Watching and Protection**
The site of the proposed Works, except for areas within the existing building, shall be under the Contractor's sole charge from the date of possession to the date of completion of the Contract.
- C. Provide all necessary day and night watching (including Security Guards, if necessary) to effectually protect the Works and materials stored on site, including those of sub-contractors and workpeople and visitors and accept all risks for damage or loss.
- D. Provide all necessary temporary hoarding, fencing, gates, barricades, fans, planked footways, gantries, screens, etc. in accordance with the Employer's details for the protection of the work people, occupants, access roadways, adjoining property and the public and alter, adapt and maintain them as necessary and clear away on completion and reinstate all work disturbed to the satisfaction of the competent authorities. Gantries shall be construed with ramps to allow unimpeded passage to physically handicapped persons and children.
- E. **Trespass**
Prevent any trespass by unauthorized persons on the site of the Works and any trespass on the adjoining property by own employees or those of sub-contractors and indemnify the Employer against any claims, costs or proceedings whatsoever arising out of any trespass or alleged trespass.
- F. **Attendance**
Provide attendance upon, cut away for and make good after all trades and in all trades performed by own workmen and own sub-contractors and leave perfect on completion.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

MATERIALS AND WORKMANSHIP (Continued)

A. **Protection of Works**

Case up and protect all work from any kind of injury and damage. Provide all necessary temporary roofs, tarpaulins, screens, planking and general protection that may be required and clear away when no longer needed and reinstate any work which has become damaged or stained.

B. **Laws, Bye Laws, Etc.**

Allow for compliance with all Laws, Bye laws, orders, rules and regulations otherwise passed by the Government of The Republic of Trinidad and Tobago, or any department thereof, insofar as is not provided for elsewhere in the Specification.

C.

Allow for compliance with any regulation made by the police for the temporary parking of vehicles and the loading and unloading of persons or goods.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

GENERAL MATTERS

TEMPORARY SITE ACCOMMODATION

A. **Generally**

The Contractor in concurrence with the Project Engineering Technician shall select areas for all temporary buildings, office accommodation and mess rooms for staff and workmen and remove on completion as may be necessary. The ground on which temporary buildings are sited shall be made good after removal of these buildings.

B. **Toilets**

The contractor may use the toilet facilities available on site free of charge for the use of the workmen, provided that he takes care to cause the least disturbance to the operations of the facilities and makes good any damages arising out of his use of the toilet facilities. However, this concession in no way releases the contractor of his obligation to provide toilet facilities for his workmen.

C. **Water for the Works**

The contractor may use the water supply on the site free of charge provided that he takes care to cause the least disturbance to the operations of the facilities and makes good any damages arising out of his use of the water supply. However, this concession in no way releases the contractor of his obligation to provide clean water for the works.

D. **Lighting and power for the works**

The contractor may use the electric power supply on the site free of charge provided that he takes care to cause the least disturbance to the operations of the facilities and makes good any damages arising out of his use of the electric supply. However, this concession in no way releases the contractor of his obligation to provide temporary lighting and electric power for the works.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

GENERAL MATTERS

TEMPORARY SITE ACCOMMODATION (Continued)

- A. **Inclement Weather**
During inclement weather the contractor shall suspend all operations which may adversely be affected for such time as the Project Coordinator may direct, and effectually cover up and protect the works from injury by weather.

- B. **Making Good**
The contractor is to make good at his own expense all damage to the structure, fittings and decorations resulting from the operations.

- C. **Clear Away and Clean Down**
Clear away all plant and temporary work unless otherwise described or directed and make good. Clear away all existing rubbish, debris and surplus materials as they accumulate and at completion. Clean floors, paving's and all external surfaces and leave the Works clean and perfect at completion.

To Collection \$

PRELIMINARIES AND GENERAL CONDITIONS

COLLECTION

From Page	Nr.	
		1/1
”	”	1/2
”	”	1/3
”	”	1/4
”	”	1/5
”	”	1/6
”	”	1/7
”	”	1/8
”	”	1/9
”	”	1/10
”	”	1/11
”	”	1/12
”	”	1/13
”	”	1/14
”	”	1/15
”	”	1/16

PRELIMINARIES AND GENERAL CONDITIONS TO GENERAL SUMMARY

\$

2.0 MATERIALS AND WORKMANSHIP

MATERIALS AND WORKMANSHIP (Cont'd)

METALWORK

Generally

- A. All metalwork shall be fabricated by a specialist firm(s) approved by the Project Coordinator. Before any order is placed, the contractor/sub-contractor shall obtain the approval of the Project Coordinator of the firm(s) they intend to use for the fabrication of metalwork.

Materials

Steel

- B. Mild steel, hot rolled sections, hot rolled hollow section, tubes and circular hot rolled sections shall be of the accepted standard and quality used in the trade. Samples may be required by the Project Coordinator for approval before fabrication.

Mild steel shall conform to BS 4360: 1986. The surfaces of steel shall be smooth, clean and free from rust, loose scale which shall be removed from the steel prior to the dispatch of works. Any subsequent accumulation of dirt, oil or grease shall be cleaned off immediately prior to erection.

Galvanized Works

- C. Iron and steel where galvanized shall be entirely coated with Zinc after fabrication by complete immersion in a Zinc bath in one (1) operation and all excess carefully removed. The finished surface shall be smooth, clean and uniform.

Aluminium

- D. All aluminium frames, mullions and transoms shall be anodised extruded sections as described.

Bolts and Nuts

- E. Bolts and nuts shall be of the type, size and quality shall comply with B.S. 4190.

Workmanship

- F. Smithing and bending shall be soundly and neatly executed, care being taken not to overheat the metal.

Forging

- G. All straps, bolts and similar work shall be forged neat and clean from the anvil.

Welding

- H. All welds shall penetrate the full depth of the metal using metal-arc process.

Where hollow sections are used, the welds shall continue completely around the sections to be jointed.

Where gates are to be welded, these shall be inspected by the Project Coordinator before welding begins.

MATERIALS AND WORKMANSHIP (Cont'd)

METALWORK (Cont'd)

Welding (Cont'd)

- A. All soldered, or welded joints, etc., to be securely anchored to the structure and make good the surfaces to which they are fixed.

Painting at Works

- B. Where work is described as primed after fabrication, the contractor/sub-contractor shall give the Project Coordinator at least forty-eight (48) hours notice, so that he may, if he so wishes, inspect and approve the work before priming commences. No work shall be primed before the Project Coordinator's approval is obtained.

Where described as primed at works, metalwork shall be freed of rust, mill scale, welding flux residue and shall be dry immediately prior to painting with primer.

The primer shall be touched up with a similar primer if damaged by subsequent handling at the expense of the contractor/sub-contractor.

Leave Clean

- C. Clean all exposed metal surfaces on completion with water or an approved petroleum product such as methylated spirit or kerosene. Make good any damage caused by the use of an improper cleaning material.

Pricing

- D. Prices to include for all considerations arising from the specification.

MATERIALS AND WORKMANSHIP
PLUMBING INSTALLATION

General Conditions

- A. The General Conditions shall apply to all work in this section and shall be carefully read and adhered to by the Contractor and Sub-Contractor.
- B. Ascertain the requirements of the Water and Sewerage Authority's (W.A.S.A.) regulations and all relevant Bye-laws and conform thereto.
- C. The whole of the Plumbing Installations shall be carried out by a licensed craftsmen to the entire satisfaction of the W.A.S.A. and the Project Engineering Technician. All pipe lengths and fittings shall be properly stored and protected and left clean and in perfect working condition.
- D. All locations and measurements are approximately correct but are understood to be subject to modifications as may be found necessary in order to meet conditions and requirements for installations prior to and/or the time of installation.
- E. Every reasonable effort shall be made by the contractor to assist other sub-contractors in the installation of their work by finishing his work at such a time so as not to interfere with other work for this project.

Codes, Permits, Etc.

- F. All materials furnished and work done shall comply with the Trinidad & Tobago Plumbing Code. The recommendation for the design of buildings, Plumbing and Drainage System TTS 16 90 400 Part 4: 1985 and the relevant British or Trinidad & Tobago Standard. The contractor/sub-contractor shall give all necessary notices, file all plans. Obtain all permits and pay all fees or other costs in connection with this work, and shall obtain all Certificates of Inspection, which he shall deliver to the employer.

Tests

- G. The entire sanitary system including all drainage, vent and leader lines shall be tested as follows and before all such work is concealed and fixtures have been set.
- H. It may be tested in its entirety or in sections with at least three (3) metre head of water. If the test shows defects or leaks they shall be corrected and the test repeated until the system is water tight.
- I. The entire water supply system shall be tested to the satisfaction of the Project Coordinator and the W.A.S.A. before all such work is concealed and fixtures have been set. It shall be tested with air and proved tight with a constant pressure of 150 PSI maintained for 30 minutes without further addition of air.
- J. After all fixtures are completely set and connected, the contractor/sub-contractor shall adjust the various supply valves, fixtures, fittings, etc. so that the proper delivery of water is obtained at all fixtures. Before work is finally completed, the contractor and/or sub-contractor shall make such additional adjustments as may be found necessary to leave the job in proper working conditions.

MATERIALS AND WORKMANSHIP (Cont'd)

PLUMBING INSTALLATION (Cont'd)

Tests (Cont'd)

- A. At this time, all fixtures, escutcheons, fittings and nameplates, pipe coverings and finishings in general shall be completely gone over by the contractor and/or sub-contractor and left in a finished and neat condition.
- B. All other tests required by the owner or authorities having jurisdiction shall be made in a manner required by them.
- C. The contractor shall at his own expense supply such equipment, appliances and apparatus to enable all tests to be effectively carried out.

Cleansing

- D. On completion of the works and immediately before handing over the contractor shall thoroughly cleanse the whole of the system and prove that it is functioning freely, to the satisfaction of the Project Coordinator.

Cutting, Patching, Repairs, Etc.

- E. Cutting of structural members shall not be done without the approval of the Project Coordinator.
- F. All patching will be done by the Contractor. The contractor shall be responsible for making good any work of other trades which is disturbed or damaged by the execution of plumbing installation.
- G. Any cutting or patching required in connection with the installation of this work, due to errors on the part of the Plumbing Contractor shall be paid for by the Plumbing Contractor.
- H. Contractor.

The Contractor and/or Sub-Contractor shall guarantee that all work and materials which show defects within one (1) year from the date of acceptance shall be promptly removed and replaced by him without additional cost to employer.

- I. Where such defects occur, the contractor and/or sub-contractor shall be held responsible for all costs incurred in making the defective work good and all injuries to plaster, wood or other finish caused by such replacement and repairs of defective work shall be replaced and repaired in first class condition by the contractor and/or sub-contractor at his own expense.
- J.

The contractor and/or sub-contractor shall furnish certificates of guarantee from the manufacturer of specialties furnished under this contract to the effect that they will furnish new parts of apparatus where defects occur due to faulty manufacture, for a period of one (1) year from date of final acceptance.

MATERIALS AND WORKMANSHIP (Cont'd)
PLUMBING INSTALLATION (Cont'd)

Taps and Cocks

- A. Bib and pillar taps and stop cocks shall conform to BS 1010: 1959

PVC Pipes and Fittings

- B. Pipes and fittings for cold water installation shall be PVC-U pressure pipes equivalent to BS 3505: 1986. Care must be taken that no cold water pipes are fixed adjacent to pipes or in circumstances which will subject them to a temperature in excess of 60°C.
- C. Pipes and fittings for soil, vent and waste installations shall be unplasticised PVC equivalent to BS 4514: 1983.
- D. All PVC pipes shall be joined with solvent cement and fixed in accordance with the manufacturer's instructions. Where PVC pipes are to be connected to pipes and fittings of a different material, the correct connector shall be used as specified.
- E. All fittings shall be suitable for use with working pressures equal to or greater than those applicable to the pipe on which they are installed.

Pipe Supports

- F. For pipes fixed vertically, fixing shall be with approved clips not exceeding 800mm apart and secured at the base of each storey height.
- G. For above ground installation of horizontal runs of PVC pipes, there shall be at least one support hanger located adjacent to the joint. The maximum spacing between hangers shall be 3m.

Sanitary Fittings

- H. Sanitary Fittings shall be approved by the Project Coordinator. The contractor shall be responsible for checking that the finishes on fittings are without faults, well finished and without cracks, chips or other defects which may render them unsuitable for incorporation into the work. The contractor shall properly store and protect all fittings and use great care during fixing not to cause damage.
- I. Unless otherwise agreed, a W.A.S.A. licensed and approved plumber shall be in attendance at all times during execution of the plumbing works. The contractor will be responsible for obtaining W.A.S.A.'s approval. The contractor will be responsible for obtaining W.A.S.A.'s approval, periodic inspections and final connections.
- J. The contractor shall give all necessary notices, obtain all permits and pay all fees or other costs in connection therewith. The contractor shall obtain all certificates of inspection which must be passed on to the Project Coordinator.

MATERIALS AND WORKMANSHIP (Cont'd)
PLUMBING INSTALLATION (Cont'd)

Defects

A. Each pipe shall be carefully examined on arrival, and any defective pipe shall not be used and shall be set aside and clearly marked.

B. Make Good

Include in tender for fixing all pipes, fittings, sanitary appliances, etc. and for making good the surfaces to which they are affixed including forming all holes, chases, etc.

C.

Builder's Work in Connection

D. The materials and workmanship, required for general builder's work in connection with these installations shall be, in so far as they are applicable, all as described under the various section headings.

Maintenance

E. The contractor shall be responsible for maintenance of the complete installation up until the end of the defects liability period. Maintenance shall include:

i. Cleaning, lubrication and adjustment, etc. of the equipment and accessories in accordance with the manufacturer's recommendation.

F.

ii. Repair and/or replacement of any part(s) of the installation which may malfunction or prove to be defective whether under the manufacturer's guarantee or not. Repairs are to be made with a minimum of downtime for the equipment.

G.

iii. No charges whatsoever arising out of the maintenance will be accepted by the employer. Duties, transport and all other costs shall be at the contractor's expense.

Pricing

H. Prices for Plumbing Installations shall include:-

i. Fixing pipes complete in all locations including the provision and fixing of all clips, pipe-hooks, holderbats and brackets and making good the background to which they are fixed.

ii. Cutting pipes and for short lengths.

iii. Couplers or joints in the running lengths of pipes.

iv. Cutting pipes and making joints to fittings.

v. All considerations arising from specification.

MATERIAL AND WORKMANSHIP (Cont'd)

UPGRADE OF ELECTRICAL INSTALLATIONS

Generally

- A. The whole of the work is to be carried out by a licensed electrical contractor in accordance with the Trinidad and Tobago Electrical Commission, the Government Electrical Inspectorate regulations and all bye-laws.
- B. The contractor shall be governed by all general conditions included with these specifications. Clauses in the Supplementary Technical Specification shall take precedence over similar clauses in this Technical Specification.

Materials

- C. All materials (conduits, cables etc.), shall be those approved by the Ministry's representative, Electrical Inspectorate and the Trinidad and Tobago Electrical Commission.

Tests

- D. The whole of the installation shall be tested for continuity, safety, proper installation, materials and workmanship to the satisfaction of the Ministry's representative, the Trinidad and Tobago Electrical Commission and the Government Electrical Inspectorate. The certificate of approval; must be obtained and handed to the Ministry's representative on completion.

Chasing and Cutting

- E. The contractor shall arrange all openings that may be required for the work of this contract. Wherever conduits are to be installed in block work, the conduits are to be threaded through the cells of the concrete blocks with the blocks neatly broken at the location of the outlets and switches.

Protection

- F. The contractor shall protect the work of this contract from damage of any cause. Cover, plug or cap openings in the work to prevent collection of dirt, dust, drainage, debris, *etc.*, during construction and all finished surfaces shall be especially protected so that no tool marks or scratches mar the finished surface.
- G. All damaged work shall be removed and replaced with new material in perfect condition to the satisfaction of the Ministry's representative at no additional cost to the Owner. Damaged painted finishes may be retouched at the discretion of the Ministry's representative.

MATERIAL AND WORKMANSHIP (Cont'd)

UPGRADE OF ELECTRICAL SYSTEM (Cont'd)

WIRING METHODS

Conduits

- A. Except where otherwise stated, E.M.T. or P.V.C. Conduits installed in accordance with the regulations shall be used. Any single run of conduit shall be limited to a maximum of two (2No) 90° bends or equivalent. Any pull boxes required to accomplish this shall be installed whether shown on the drawing or not. All conduit runs shall be concealed unless above suspended ceilings. During construction, all conduits shall be kept clean by sealing the open ends with metal or paper pennies and bushings. All conduits are to be swabbed clean and dry before wiring is pulled in. Running threads are not to be used in rigid conduit runs or connections to equipment. Only approved fittings for rigid conduits are to be used for this purpose.

Outlet Boxes

- B. Switches shall be mounted at a standard height of 1372mm from the floor and shall be located on the strike side of doors as finally hung, whether so indicated on the plans or not. Wall outlet boxes shall be located at a height of 457mm from the floor, except where otherwise noted, directed or required.
- C. All E.M.T. conduits and boxes shall be galvanized coated by the electrolysis process and shall meet the requirements of the U.L. or C.S.A. specifications. All flush or surface mounted exterior outlet boxes and all interior surface mounted wall outlet boxes for use with E.M.T. Conduits shall be galvanized or malleable iron conduit fittings, threaded for conduit connections. Covers for exterior boxes shall be watertight type complete with gasket.

Inserts, Anchors, Hangers and Supports: *All to be corrosion treated*

- D. Connections to masonry or concrete shall be made using expansion type lead anchors set in properly drilled holes or made using self-drilling expansion type fasteners. Welded studs shall be used for fastening equipment to structural steel members. Where conduit of equipment is to be fastened to insulations, the contractor shall install hardwood bucks prior to the insulation being applied. Exposed conduits and exposed cables where installed shall be supported by approved individual hangers, clamps and clips installed at approved spacing. All exposed cables, where utilized, shall be installed in straight vertical horizontal runs only with support spacing to ensure rigidity. No sags will be allowed in any exposed cable runs.

Workmanship

- E. All wiring raceways shall be lined up parallel or at right angles to building lines. Equipment shall be accurately set, plumbed and levelled and hanger rods shall be vertical. The entire work shall present a neat and clean appearance on completion.

MATERIAL AND WORKMANSHIP (Cont'd)

UPGRADE OF ELECTRICAL SYSTEM (Cont'd)

CONDUCTORS AND CABLES

Low Voltage Conductors

- A. No wire smaller than 2.5mm², except as otherwise stated, may be used except for signal control circuits. All receptacle circuits shall be wired with 4.0mm² conductors unless otherwise scheduled or noted. All lighting circuits shall be wired with 2.5mm², except as otherwise stated, wire for conduit runs of less than (100ft) 30.48m, 4.0mm² wire should be used for longer runs, in all cases limiting the voltage drop to 2%, from panel board to load centre. P.V.C. insulated copper conductors in rigid metallic conduit should be used or XLPE armoured cable in the larger sizes. Mains and feeders shall run their entire length in continuous pieces without joints or splices. Joints in branch circuits shall occur only where such circuits divide as shown on the plans, and shall then consist of one through circuit to which shall be spliced the branch from this circuit.

Conductors and Coding

- B. All new conductors shall be stranded copper. All new feeders and sub-feeder wiring installed inside the building shall be P.V.C. insulated copper conductors rated 600/1000Volts. Wiring shall be sized as indicated in the drawings or of sufficient size to ensure that a maximum of 2% voltage drop from the distribution centres to the equipment and fixtures under full load conditions is obtained. Unless otherwise specified branch wiring shall be identified by the colour of the insulation or by plastic tube type wire markers expanded on the conductors: -

Phase A:	Red
Phase B:	Yellow
Phase C:	Blue
Neutral:	Black
Earth:	Green

- C. For motor wiring, where single colour conductors are used for all the phases, wire markers are to be installed at both ends of all runs to clearly identify each group of three (3) wires.

MATERIAL AND WORKMANSHIP (Cont'd)

UPGRADE OF ELECTRICAL SYSTEM (Cont'd)

Conductor Labeling/Identification

- A. All cables, with the exception of final sub-circuit wiring or cables that are enclosed in trunking or conduits, shall be affixed with labels at each end of the cable, either side of wall and floor penetrations, at approximately 10 meter intervals on route or at convenient inspection points by means of non-releasable plastic straps unless otherwise stated. Labels shall contain the following information:
- Cable size & Number of conductors: e.g. 4 core x 120mm² XLPE
 - Cable "To / From" information: From "MDP" to "CSP"
 - Length of cable run installed
- B. The contractor shall provide samples of the cable Tag and Tag information for approval prior to installation.
- C. Cabinets, Switchboards, Distribution Panels: *All to be corrosion treated*

Cabinets

- D. The contractor shall furnish and cabinets to serve the several purposes indicated. Cabinets shall be of the sizes required and shall be flush mounted unless otherwise stated. All cabinet boxes shall be rigidly constructed from stainless steel grade 316 or better. Material gauge shall conform to code requirements except that no material lighter than No. 14 gauge shall be used for the main distribution panels as discussed in the 'General' section. Electrical distribution panels rated less than 200Amp can be made from 16gauge stainless steel grade 316 or better. Corners shall be overlapped or welded. Edges shall be turned over. Fronts shall be cut from single sheets of stainless steel not less than No. 14 gauge or No. 16 gauge depending on the amperage. Fronts shall be fastened in place by toggle bolts, or other adjustable fasteners that will allow levelling and plumbing. Each door shall be provided with a substantial flush type lock and catch.

Lighting and Power

- E. Except as otherwise stated, the main switchboard and panels shall be of the Moulded Case Circuit Breaker Type, of size and amperage as indicated in the relevant codes. The Switchboard and Panels shall be constructed of No. 14 gauge stainless steel. Construction must cater for a minimum of 102mm of gutter space all around.

MATERIAL AND WORKMANSHIP (Cont'd)

UPGRADE OF ELECTRICAL SYSTEM (Cont'd)

WIRING DEVICES

Switches

- A. Except as otherwise stated, wall switches for fluorescent lighting shall be rated 20 Amp, 120 Volts to ground. Wall switches for incandescent lighting shall be rated 15 Amps, 120 Volts single pole. For systems employing 230 Volts or 277 Volts, Line to Neutral Lighting Fixtures, the Switches shall be rated at 20 Amps, 230 or 277 Volts, Single Pole: For systems utilizing 230 Volts Line to Line fixtures the switches shall be 20 Amps Double Pole.

Inspection and test

- B. The Client shall have access to all parts of the work at all times and shall be furnished such information and assistance by the contractor. All installation shall be subjected to test and any damage done during testing shall be borne by the contractor.

Standard of workmanship

- C. The contractor shall execute all work in neat and workmanlike manner and shall do all necessary work whether it is clearly specified in this specification or shown. Best practice in modern electrical installation shall be employed.

3.0 WORKS TO BE DONE

WORKS TO BE DONE

NOTES:

- (i) Dimensions and quantities stated are approximate. Tenderers are to visit the site and verify all dimensions and quantities, existing conditions and prices should include for these.
- (ii) The descriptions below are to be read in conjunction with the relevant specifications in the materials and workmanship section
- (iii) The contractor may include in the price of the measured work Nr. any considerations arising from said specifications

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PRELIMINARIES				
	<u>DEMOLITION</u>				
A.	Break concrete slab and dispose of resulting rubble in an appropriate manner off site.		Item		
B.	Break block walls and dispose of resulting rubble in an appropriate manner off site.		Item		
C.	Take out damaged plumbing pipes and fittings and dispose of them in an appropriate manner off site.		Item		
D.	Carefully take out aluminium louvred windows (3 no.) and dispose of them off site.		Item		
E.	Take out floodlights and dispose of them off site.		Item		
F.	Carefully take out the various fluorescent light fixtures and store them on site.		Item		
	<u>Protection</u>				
G.	Protection of all works in this section.		Item		
DEMOLITIONS CARRIED TO SUMMARY \$					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	<u>CONCRETE WORK</u>				
A.	Concrete, in bed 4" thk. Poured into formwork and compacted around reinforcement.	1	cu. yd.		
B.	Concrete, in walls compacted and finished to receive wall tiles.	2	cu. yd.		
	<u>Formwork</u>				
C.	Sawn formwork to sides of ring beam, not exceeding 12" high.	22	ft.		
	<u>Protection</u>				
D.	Protection of all works in this section.		Item		
Concrete Work Carried to Superstructure Summary					\$

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	<u>PLUMBING INSTALLATIONS</u>				
A.	Include the provisional sum of fourteen thousand dollars (\$14,000.00) for plumbing installations, including: i. Cold water distribution system. ii. Clamping and fixing of cold water, waste and vent piping.		Allow		14,000.00
B.	Include the provisional sum of twelve thousand (\$12,000.00) to allow for all attendances.		Allow		12,000.00
C.	Service close couple water closet, including cistern flushing mechanism.	10	Nr.		
D.	Service/Repair urinal, including screws, connectors and flushing mechanism, installed.	3	Nr.		
E.	Service sink, angle valves, waste piece, trap and cold water tap.	12	Nr.		
F.	Supply and install projection shower arm and head, and cold water valves.	6	Nr.		
G.	Supply and install shower cold mixer taps.	6	Nr.		
H.	Protection of all works in this section.		Item		
Plumbing Installations Carried to Superstructure Summary \$					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	<u>ELECTRICAL INSTALLATIONS</u>				
A.	Include the provisional sum of fifteen thousand dollars (\$15,000.00) for electrical upgrades and installations including: i. Switch and outlet points. ii. Lighting fixtures and other appurtenances. iii. Sub-circuit wiring and ducting as necessary.		Allow		15,000.00
B.	Supply and install 2 x 2 ft. ceiling mounted vapour barrier, fluorescent light fixture.	2	Nr.		
C.	Service/Repair 2 x 4 ft. ceiling mounted vapour barrier, fluorescent light fixture, installed.	37	Nr.		
D.	Supply and install 2 x 8 ft. ceiling mounted vapour barrier, fluorescent light fixture.	4	Nr.		
E.	Service/Repair 2 ft. x 4 ft. recessed fluorescent light fixture, including lamps, ballasts and diffusers.	4	Nr.		
F.	Supply and install 8" extractor fans.	4	Nr.		
G.	Supply and install floodlights, complete with lamp and fixed to brackets and poles (Pavilion).	3	Nr.		
H.	Supply and install dusk to dawn light, including all necessary wiring.	7	Nr.		
J.	Protection of all works in this section.		Item		
Electrical Installations Carried to Superstructure Summary \$					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	<u>PLASTERWORK, WALLS, FLOORS AND OTHER FINISHES</u>				
A.	Apply ½” thk. Plasticized cement and sand (1:3) mortar mix on new blockwork and masonry surfaces.	768	sq. ft.		
B.	Install glazed ceramic wall tile and fix with approved adhesive to rendered backing and ensure neatly pointed with matching grout.	192	sq. ft.		
C.	Protection of all works in this section.		Item		1,000.00
<p align="right">Plasterwork, Walls, Floors and Other Finishes Carried to Superstructure Summary \$</p>					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	<u>PAINING AND DECORATION</u>				
A.	Apply one (1) under coat and two (2) finishing coats emulsion paint on masonry surfaces externally.	375	sq. yd.		
B.	Apply one (1) under coat and two (2) finishing coats emulsion paint on vent blocks.	9	sq. yd.		
C.	Apply one (1) under coat and two (2) finishing coats emulsion paint on ceilings.	19	sq. yd.		
D.	Prepare and apply one (1) coat red lead primer, and one (1) undercoat and one (1) coat oil paint on metal work.	53	sq. yd.		
E.	Knot, prime, stop and apply one (1) undercoat and one (1) finishing coat oil paint on timber surfaces.	19	sq. yd.		
F.	Protection of all works in this section.		Item		
Painting and Decoration Carried to Superstructure Summary \$					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>HANDRAIL TO TECHNICAL ROOM STAIRCASE</p>				
A.	<p>Fabricate a standard hand railing consisting of top rail, intermediate rail, and posts, and shall have a vertical height of 42".The handrail shall be constructed using 2" galvanized iron pipe welded together using 1/8" fillet welds.1/8" thick base plates shall be used for uprights .The base plates shall be held in place by 2.5" grouted anchor bolts.</p>		Item		
B.	<p>Works shall consist of the protection of metalwork against corrosion. The work includes, but is not limited to the preparation of surfaces to be treated and the painting of the prepared surfaces.</p>		Item		
C.	<p>Protection of all works in this section.</p>		Item		
<p>Hand rail installation to technical building Summary \$</p>					

WORKS TO BE DONE Continued

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUPERSTRUCTURE				
	SUMMARY				
	Demolition From Page 3/2				
	Concrete Work From Page 3/3				
	Plumbing Installations From Page 3/4				
	Electrical Installations From Page 3/5				
	Plasterwork, Walls, Floors and Other Finishes From Page 3/6				
	Painting and Decoration From Page 3/7				
	Handrails to technical building From Page 3/8				
SUPERSTRUCTURE SUMMARY CARRIED TO SUMMARY					\$

4.0 GENERAL SUMMARY

5.0 TECHNICAL AND FINANCIAL SPECIMEN FORMS*

Form 1: Appendix to Tender

Form 2: Form of Tender

Form 3: Applicant Information Sheet

Form 4: Work Experience of Firm

Form 5: Similar Type of Works

Form 6: General Background and Organization

Form 7: Methodology and Work Plan

Form 8: Curricula Vitae for Proposed Key Professional Staff

***ALL FORMS ARE TO BE FILLED OUT AND RETURNED IN THE PROPOSAL**

FORM 1: APPENDIX TO TENDER

This Appendix forms part of the Agreement.

[Note: with the exception of the Items for which the Employers requirements have been inserted, the Contractor shall complete the following information before submitting his offer]

Nr.	Sub-Clause	Data
Documents forming the Contract listed in the order of priority	1.1.1	
Document		Document Identification
(a) Letter of Invitation		_____
(b) The Agreement		_____
(c) Particular Conditions		_____
(d) General Conditions		_____
(e) The Specification		_____
(f) The Bill of Quantities		_____
(g) Form of Tender		_____
(h) Performance Bond		_____
Time for Completion	1.1.9	_____ weeks
Law of the Contract	1.4	Laws of the Republic of Trinidad and Tobago
Language	1.5	English
Provision of Site	2.1	To be Agreed
Authorised Person	3.1	The Ministry of Sport and Youth Affairs or its Nominated Representative
Name and Address of Employer's Representative (if known)	3.2	#2 Elizabeth St., St. Clair
Performance Security (if any)	4.4	N/A

FORM 1 (Continued)

Nr.	Sub-Clause	Data
Requirements for Contractor's Design (if any)	5.1	NA
<i>Programme</i>		
Time for Submission	7.2	Within Five (5) working days of Commencement Date
Form of Programme	7.2	Bar Chart
Late Completion	7.4	\$300.00 per day up to a maximum of 20% of Sum stated in Agreement
Remedying Defects	9.1 & 11.5	Six (6) months calculated from The date stated in the Notice under Sub-Clause 8.2
Variation and Claims		
Valuation of Variations	10.2	(a) to (d)
Contract Price at Payment		_____ _____ (details)
<i>Valuation of the Works</i>		
Lump Sum Price	11.2	N/A
Lump Sum Price with Schedules of Rates	11.3	N/A
Lump Sum Price with Bill of Quantities	11.1	As per tender
Measurement with Tender Bills of Quantities	11.1	N/A

FORM 1 (Continued)

Nr.	Sub-Clause	Data
<i>Valuation of the Works (Continued)</i>		
Cost Reimbursable	11.1	N/A
Percentage of Value of Materials and Plant	11.2	Materials - 80% Plant - N/A
Percentage of Retention	11.3	10% with 5% after Practical Completion
Currency of Payment	11.7	T&T Currency
Rate of Interest	11.8	N/A
Insurances	14.1	
Type of Cover	Amount of Cover	Exclusions
The Works, Materials, and Plant	The Sum stated in the Agreement plus 15%	_____
Contractor's Equipment	Full Replacement Cost	N/A
Third Party Injury to Persons and Damage to Property	1,000,000.00	_____
Workmen's Compensation	500,000.00	_____
Fire/Theft	500,000.00	_____
Arbitration Rules	15.3	Arbitration Rules of T&T
Appointing Authority	15.3	President of the Board of Engineering of Trinidad and Tobago
Place of Arbitration	15.3	Trinidad

FORM 2: FORM OF TENDER

Date:

Permanent Secretary
Ministry of Sport
#2 Elizabeth Street
Port of Spain

Dear Sir/Madam,

RE: For the Works PROPOSED UPGRADES TO PLUMBING, ELECTRICAL AND MECHANICAL INSTALLATIONS, AT COUVA COMMUNITY SWIMMING POOL – RAILWAY STATION ROAD, COUVA.

I/We having visited the site and taken note of the services issued in connection with these Works and having made due allowance for Addenda Nos. , do hereby offer to furnish all labor, equipment and materials in providing the proposed services, for the fixed price ofpayable in Trinidad and Tobago Currency or such other sum as may be determinable by the Conditions of Contract VAT Inclusive.

I/We agree to hand over the work duly completed to your entire satisfaction within (inclusive of Sundays and Public Holidays) calculated from the date on which contract is signed. This Tender is submitted without any collusion, conflict of interest, corrupt and fraudulent practice with any other officer, employee or person acting for the Proponent.

It is understood that this offer shall remain open for acceptance for a period of Ninety (90) days and that you do not bind yourself to accept any tender nor to be responsible for any expenses incurred in estimating any tender received.

Signature in the capacity of

..... duly authorized

to sign tenders for and on behalf of

(IN BLOCK LETTERS)

Address

Date

Company Stamp.....

FORM 4: WORK EXPERIENCE OF THE FIRM
(To be filled out and returned in the Proposal)

Name of Proponent: _____ Date: _____

Page _____ of _____ pages

Contract Identification	Starting Month / Year	Ending Month / Year	Planned Construction Duration	Actual Construction Duration	Role of Applicant	Original Contract Value \$	Final Contract Value \$
Contract name: Brief Description of the Works performed by the Applicant: Name of Contracting Entity: Address: Contact Person Contact Number							
Contract name: Brief Description of the Works performed by the Applicant: Name of Contracting Entity: Address: Contact Person Contact Number							

FORM 5: SIMILAR TYPE OF WORKS
(To be filled out and returned in the Proposal)

Name of Proponent: _____ Date: _____

Page 1 of 2 pages

Project Name: ____ of ____ required.	Information
Description of the similarity in accordance with the Scope of Services	
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	
6. _____	

FORM 5: SIMILAR TYPE OF WORKS CONTINUED

(To be filled out and returned in the Proposal)

Name of Proponent: _____ Date: _____

Page 2 of 2 pages

Project Name: _____ of _____ required.	Information		
Contract Identification	_____		
Award date	_____		
Initial Completion date	_____		
Actual Completion date	_____		
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
Original contract amount	_____		TT\$ _____
Final contract amount	_____		
Variance	_____		
If party in a JVCA or subcontractor, specify participation of total contract amount	_____ %	_____	TT\$ _____
Contracting Entity's Name:	_____		
Contact Person	_____		
Address:	_____		

Telephone/fax number:	_____		
E-mail:	_____		

FORM 6: GENERAL BACKGROUND AND ORGANIZATION

(To be filled out and returned in the Proposal)

Name of Proponent: _____

Date: _____

Page _____ of _____ pages

Contract Fulfillment History - Non-Performing Contracts			
Has the Firm (or any constituent part) been liable for failing to comply with the fulfillment of a contract at any time during the last five years?			
<input type="checkbox"/> No <input type="checkbox"/> Yes <i>If yes, give below, or if necessary on a separate attachment details regarding any contract non-performance issues current or during the last five (5) years.</i>			
Pending Litigation			
Has the firm (or any constituent part) been named party to any litigation proceedings during the last five (5) years?			
<input type="checkbox"/> No <input type="checkbox"/> Yes <i>If yes, give below, or if necessary on a separate attachment details regarding any litigation current or during the last five (5) years in which you were a named party.</i>			
Year	Outcome as percent of total assets	Contract Identification	Total Contract Amount (current value, TT\$ equivalent)
_____	_____	Contract Identification: Name of Contracting Entity: Address of Contracting Entity: Matter in dispute:	_____
OSHA violations, Workers Compensation claims or Safety claims			

Has the firm (or any constituent part) been named party to any OSHA violations, workers' claims or safety claims during the last five (5) years?

No

Yes

If yes, give below, or if necessary on a separate attachment details regarding any OSHA violations, Workers Compensation claims or Safety claims current or during the last five (5) years in which you were a named party.

Year	Outcome as percent of total assets	Contract Identification	Total Contract Amount (current value, TT\$ equivalent)
_____	_____	Contract Identification: Name of Contracting Entity: Address of Contracting Entity: Matter in dispute:	_____

Statutory Approval Violations

Has the firm (or any constituent part) been named party to any Statutory Approval violations during the last five (5) years?

No

Yes

If yes, give below, or if necessary on a separate attachment details regarding any Statutory Violations current or during the last five (5) years in which you were a named party.

Year	Outcome	Contract Identification	Total Contract Amount (current value, TT\$ equivalent)
_____	_____	Contract Identification: Name of Contracting Entity: Address of Contracting Entity: Matter in dispute:	_____

FORM 7: METHODOLOGY AND WORK PLAN

(To be filled out and returned in the Proposal)

[Technical approach, methodology and work plan are key components of the Technical Proposal. It is recommended that you present your Technical Proposal divided into the following two chapters:

- a) Technical Approach and Methodology*
- b) Work Plan*

*a) **Technical Approach and Methodology.** In this chapter you should explain your understanding of the objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance, and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.*

*b) **Work Plan.** In this chapter you should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones and delivery date. Detailed Gantt chart indicating key tasks and time frame.*

**FORM 8: FORMAT OF CURRICULUM VITAE (CV) FOR PROPOSED
KEY PROFESSIONAL STAFF**

(To be filled out and returned in the Proposal)

Page 1 of 2

Name of Proponent: _____

Name of Staff: _____

Profession: _____

Date of Birth: _____

Years with Firm/entity: _____ National: _____

Membership in Professional Societies: _____

Detailed Task Assigned: _____

Key Qualifications:

[Give an outline of staff member's experience and training most pertinent to tasks on assignment. Describe degree of responsibility held by staff member on relevant previous assignments and give dates and location. Use about half a page.]

Education:

[Summarize college/university and other specialized education of staff member, giving names of school, dates attended and degrees obtained. Use about half a page.]

FORM 8: FORMAT OF CURRICULUM VITAE (CV) FOR PROPOSED KEY PROFESSIONAL STAFF

(To be filled out and returned in the Proposal)

Page 2 of 2

Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of position held, and locations of assignments. For experience in the last ten years, also give types of activities performed and client references, where appropriate. Use about three-quarters of a page.]

Languages:

[For each language indicate proficiency: excellent, good, fair, or poor; in speaking, reading, and writing]

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Date: _____

[Signature of staff member and authorized representative of the Firm]

Full Name of staff member: _____

Full Name of authorized representative: _____