

**CAMEROON DEVELOPMENT CORPORATION
GROUP BANANA**

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I - SCOPE OF WORK

The work comprises of constructing a hangar for motor-Bikes.

II – TECHNICAL SPECIFICATION

A. STEEL / METAL

- 13/4" Galvanize iron pipe and 50 x 50mm angle iron are approved for this job. The stanchion rises from within the foundation column; welded are diameter 12mm rods as key (for firmness) into the concrete. Adequately and aligned, at the top of the stanchion is welded a piece of the angle iron. This angle piece is equally welded to receive the roof members.

B. EXCAVATION

- The site of the works shall be cleared off vegetable soil and filled to the level given on the drawings or as shall be decided by the Engineer.
- Excavations shall be of the length, width and dept for the construction.
- Any obstacle encountered during the excavation shall be reported to the Engineer and shall be dealt with as then instructed.
- The bottom shall be cleaned and if in loose or disturbed ground shall be well rammed and the whole shall be approved.

C. CONCRETE PROPORTION CONSISTENCY

- Concrete for foundations and abutment shall be class "B" mixture of 350kg/m³ and must attain a compressive strength of at least 220 bars at 28 days.
- The compressive strength shall be ascertained by crushing 15cm diameter concrete cylinders, the cylinders being made on the works and tested as instructed.
- Water content shall in no case exceed 22.5 liters per bag of cement or 180 liters per cubic meter of concrete for 350kg/m³ dosage or 82.5 liters per cubic meter for lean concrete.

E. MIXING CONCRETE

- The cement and aggregates shall be thoroughly mixed together in the proportions described in a batch-type mechanical mixer unless otherwise approved.
- The water shall not be admitted to the drum of the mixer until all the cement and aggregate constituting the batch are in the drum. Mixing shall continue until the concrete is uniform in colour and for not more than two minutes after all the materials and water are in the drum.
- No partly-set or re-tempered concrete shall be used. Partly-set or excessively wet concrete shall not be used on the works and shall be immediately removed there from.

F. PAINTING

- Painting surface shall be well cleaned, dry and free from grease or any foreign coating.
- Painting shall be accurately and evenly applied, covering all the surface and homogenously done.

G. CARPENTRY AND ROOFING

- Timber should be of good quality, free from all natural defects. It should be of the size specified in the bill of quantities. Timber should equally receive treatments with an approved wood preservative (Solignum or xylamon) and adequately seasoned before usage.
- Roofing sheets and accessories should be of the dimensions and quality stated in the bill of quantities

III- WORK SCHEDULE

- Each lot should be completed within 12 weeks. If we find the Contractor failed to follow the specifications provided in carrying out the work, then the contractor will be advised to stop the work and may only resume when he will agree to rectify the work in accordance to the specifications.

IV - INTERPRETATION OF TECHNICAL SPECIFICATIONS

- Should any ambiguity or difficulty be encountered with specifications, the bidder is advised to contact the Engineer of the project for clarification as to the intent or works involved.

V.DISCREPANCIES

- During the course of the work, should any ambiguities or discrepancies be found in the specifications and bill of quantities to which the Contractor has failed to call attention before submitting his tender, the Employer or his representative will interpret the intent of the specifications and the bill of quantities and the Contractor agrees to abide by the Employer's interpretation and agrees to carry out the work in accordance with the decision of the Employer. It is expressly stipulated that neither the bill of quantities nor the specifications should take precedence over the other, and it is further stipulated that the employer may interpret or construe the bill of quantities and specifications so as to secure in all cases the most substantial and complete performance of the work as is most consistent with his needs and requirements, and for this the employer should assumed full responsibility.

VI.SITE VISIT

- The contractor should be held to have examined the site and to have compared it with the specifications and Bill of Quantities and to have satisfied himself of the conditions existing at the site, as relating to the actual condition at the site at the time of estimate of the work, the storage and handling of materials and all other matters as may be incidental to the work under the contract, before the submission of his proposal. No allowance will subsequently be made or conceded by reason of any error, due to the contractor's neglect to comply with the requirements of this clause.

VII - GENERAL

- An extra works necessitated by site conditions or omission must first be discussed and approved by the supervising engineer in writing before execution. Such should be treated to the General Manager's approval for supplementary contract.
- The contractor must ensure his workers against all accidents, and subscribe to a third party liability insurance to cover him against any possible accident to third party in the course of executing this project.
- Each phase of work completed must be inspected and approved by the supervising Engineer before further works especially those that will bear upon the completed phase.
- The contractor should keep the surroundings clean of all equipments and debris at the end of works at no extra cost to the CDC (making good)
- Before the commencement of any works, material should be pre-inspected by the supervising Engineer before use.
- Failure to do so, all works done using such materials which are not pre-inspected should not be accepted.
- The contractor should also make provision for a site supervisory record.