KOREA INTERNATIONAL COOPERATION AGENCY
KOICA Cameroon Office, B.P. 15116 Yaounde-Cameroon http://www.koica.go.kr
Tel +237-222 20 04 77 Email: cameroon@koica.go.kr

Invitation for Bids

(Procurement of Construction Works)

(Re-advertisement)

Date: 19 October, 2026

Invitation No.: L2026-0006-2

The KOICA (Korea International Cooperation Agency) Cameroon Office intends to invite foreign and local eligible Bidders for Construction Work for the 'Project for Building of Emergency Medical Services System in Cameroon'

Brief of Bidding

. Bid Title	Construction Work for the 'Project for Building of Emergency Medical Services System in Cameroon'
. Summary of Services	1. Construction of a single medical and educational facility building on the site of CURY - Building Area 682.30 ㎡, 3 stories, Gross Floor Area 2,583.54 ㎡ - Including ER, OR, ICU, Ward, Control Center, and Simulation Center 2. Includes licensing and civil litigation related tasks required from groundbreaking to completion 3. Preparation of as-built drawings and operation and maintenance manuals
. Duration	Until 760 days from the date of signing the contract (Shall commence 30 days from the date of signing the contract)
. Estimated Procurement Value	USD 4,100,524(excluding value-added taxes and other fe

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

. Engineer's Estimate	USD 4,018,513
. Official Estimate	Determined using the Multiple Preliminary Estimates System

① Employer: KOICA Cameroon Office

② Bid Type: Open Competitive Bidding

③ Selection of the Successful Bidders: Lowest Evaluated Bid subject to Post-qualification

④ Bidder's qualification requirement: Category B or higher in Bâtiments et Équipements Collectifs Sub-Sector of "Bâtiment et Travaux Publics(BTP)"sector given by MINMAP based on 'Décret N°2018/366' and 'Arrêté N° 166/A/MINMAP'. For other eligibility requirements, refer to the requirements on the Bid Data Sheet.

⑤ Name of Currency: USD

⑥ Application for bidding (Time and Date): Until October 26, 2026

⑦ Bid Submission deadline (Time and date, Place): Until November 04, 2026 12:00

⑧ Bid Opening Date (Time and date, Place): November 04, 2026 13:30

For further information, please refer to Bid Data Sheet (BDS).

Bids exceeding the Official Estimate shall be automatically excluded. Additionally, to prevent abnormally low bids (dumping), bids falling below the Minimum Acceptable Bid Rate (87.495%) shall also be excluded.

The Bidding Documents include the following documents:

Section 1 - Instructions to Bidders (ITB)

Section 2 - Bid Data Sheet (BDS)

Section 3 – Bidding Forms

Section 4 – Bill of Quantities

Section 5 – Design Documents

Section 6 – Technical Specification and Scope of Works

Section 7 - General Conditions of Contract

Section 8 - Special Conditions of Contract

Section 9 - Contract Forms

Language of Proposal: English

KOICA Cameroon Office requires that bidders and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this

policy, KOICA;

will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

will recognize a contractor as ineligible, for a period determined by KOICA.

The KOICA now invites sealed bids from eligible bidders from eligible source countries.

Interested eligible bidders may obtain further information on the bid form and inspect the bidding documents at KOICA Cameroon Office

▷ https://www.koica.go.kr/sites/cmr_en/index.do , [News] - [Notice]

All bids must be accompanied by a bid security of not less than five percent (5%) of Total Bid Price or stated fixed amount. When a fixed amount is stated, it should be approximately five percent (5%) of the estimated cost of the Contract. and must be delivered in accordance with the Instructions to Bidders on or before 12:00 on 04th November.

KOICA will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

ZIP Code: P.O. Box 35415, Yaounde, Cameroon

Website: https://www.koica.go.kr/sites/cmr_en/index.do

Telephone: +237 222 207 144

E-mail: cameroon@koica.go.kr

Person in charge: **Hyesun Na**(Deputy Country Director), **Eric Yeme Ntcha**(Project Manager)

KIM YUKYUM

COUNTRY DIRECTOR

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON OFFICE

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Instructions to Bidders
(Construction Works)

1. Purpose

1.1 These Instructions to Bidders (the "ITB") set out the procedures that govern the participation of Bidders in Open Competitive Bidding (OCB) (collectively, the "Biddings") for construction Works invited by the Employer (KOICA).

2. Definitions

2.1 Unless otherwise provided herein, the terms used in the ITB shall have the meanings given to them in the Procurement Regulations (KOICA Regulations) and the General Conditions of Contract (GCC).

3. Registration of Bidders

3.1 Any entity wishing to participate in the Bidding must complete the registration form and submit it in person, by mail, or electronically. The submission of the Bid pursuant to Article 14 hereto may be deemed to constitute such registration.

4. Eligible Bidders

4.1 Any entity intending to participate in a Bidding must satisfy the eligibility requirements set out in the relevant Bid Data Sheet (BDS).

4.2 The Employer may limit participation in the Bidding to those who meet all of the following requirements.

(a) The Bidder shall meet any one of the following criteria:

(i) A legal entity established under the laws and regulations of the country where the Project is implemented (the "Project Country"); or

(ii) An entity satisfying the criteria who established by Employer, taking into account the laws, systems, and practices related to foreign cooperation projects in the Project Country.

(b) The Bidder shall meet all of the following requirements:

(i) Not have been restricted from participation in bidding, declared ineligible for contract, or sanctioned by any international organization or foreign government;

(ii) Not be currently under a suspension or restriction period as an "Improper Business Entity" (or Fraudulent Business Entity) pursuant to Article 27 of the Act on Contracts to Which the State is a Party, Article 31 of the Act on Contracts to Which a Local Government is a Party, or Artide 39 of the Act on the Management of Public Institutions; and

(iii) Not have been convicted of any bribery-related crime under domestic or foreign laws.

(c) In deciding the eligibility requirements for the Bidders, the Employer may, if necessary and depending on the type and size of the Contract, refer to the same or similar Contracts previously executed by such Bidder, the performance history, availability of technical personnel, performance capacity, and managerial and financial status thereunder.

5. Application for Participation

5.1 Any entity intending to participate in a Bidding must submit the following documents to the Employer by no later than the submission deadline specified in the BDS.

(a) a duly completed Application to Participate;

(b) one set of documents evidencing the Bidder's eligibility to participate in the Bidding;

(c) documents evidencing the authenticity of the Bidder's signature (e.g., Power of Attorney, notarized specimen signature); and

(d) any other documents specified in the BDS or required by a separate notice.

5.2 Each document provided under paragraph (1) above must be provided in its original form or if a copy is provided, the copy must be certified to be a true and accurate copy of the original document.

5.3 The documents submitted under paragraph (1) above cannot be amended except to correct minor clerical errors or oversights.

5.4 If a representative is designated for submitting the documents, such representative may act on behalf of the Bidder.

6. Bidding Documents / Bid-Securing Declaration

6.1 All prospective Bidders shall have access to the following documents (collectively, the "Bidding Documents"):

(a) the Instructions to Bidders (ITB);

(b) the Bid Data Sheet (BDS);

(c) the Application to Participate form;

(d) the Letter of Bid (Form of Bid);

(e) Bill of Quantities, drawings, and Technical Specifications (Employer's Requirements);

(f) General Conditions of Contract (GCC);

(g) Special Conditions of Contract (SCC);

(h) Contract Forms;

(i) Bid Security form (or Bid-Securing Declaration); and (j) any other documents relevant to the Bidding.

7. Clarification of Bidding Documents

7.1 Prior to submitting a Bid, any prospective Bidder shall be deemed to have examined all laws and regulations applicable to the Bidding and each of the Bidding Documents specified in Article 6(1) above.

7.2 Any prospective Bidder may request the Employer to clarify any mistakes or errors in the Bidding Documents that it may have discovered during its review thereof prior to the Deadline for Submission of Bids, within a period specified in the BDS.

8. Joint Venture (JV)

8.1 Joint Ventures (JVs) may be permitted if specified in the BDS. Unless otherwise stated, the scope of Works to be rendered by the JV's Lead Partner shall be at least 50% of the whole of the Works.

8.2 If JVs are permitted, the JV must submit an executed Joint Venture Agreement.

8.3 The BDS shall specify the detailed requirements for JVs.

8.4 A party shall not participate in more than one Bid in the same Bidding process, either individually or as a member of a JV.



8.5 The relevant Joint Venture Agreement must be executed by all JV members and submitted to the Employer by the Deadline for Submission of Bids.

8.6 The composition of the JV must be the same as that stated in the Application to Participate.

8.7 All members of the JV shall meet the eligibility requirements (e.g., no debarment). The qualification criteria (e.g., financial status, experience) shall be assessed based on the criteria set forth in the BDS.

8.8 If any person participates in a Bidding in violation of this Article, the Bid submitted by such person shall be rejected.

9. Criteria for Prequalification

10. Bid Security / Bid-Securing Declaration

10.1 The Bidder must submit by the Deadline for Submission of Bids a Bid Security amounting to at least the percentage of the Bid Price specified in the BDS, in the form of a bank guarantee issued by a financial institution, or if allowed, a Bid-Securing Declaration.

10.2 If the successful Bidder fails to sign the Contract Agreement or furnish the required performance security within the prescribed period, the Bid Security shall be forfeited (or the Bid-Securing Declaration executed). 10.3 The Bid Securities of unsuccessful Bidders shall be returned as soon as the successful Bidder is selected. The Bid Security of the successful Bidder shall be returned immediately following the signing of the Contract and submission of the Performance Security.

10.4 The Bid Security must remain valid for a period of at least ninety (90) days after the Deadline for Submission of Bids.

11. Exemptions from Bid Security

11.1 The following applicants (each an "**Exempted Applicant**") shall be exempt from providing a Bid Security under Article 10:

(a) governmental agencies or local governments of the Republic of Korea;

(b) public institutions of the Republic of Korea;

(c) foreign entities in which the government holds a 50% or greater equity stake; or

(d) a prospective Bidder deemed appropriate for exemption based on its past performance records.

11.2 An exempted applicant must submit a Bid-Securing Declaration accepting that it will be suspended from being eligible to participate in KOICA's bidding for a specified period of time in case of default.

12. Participation in the Bidding

12.1 Any person wishing to participate in a Bidding must:

(i) have submitted the Application on or before the Deadline specified in the BDS;

and (ii) have completed the partner registration in the BDS.

12.2 When participating, the Bidder must possess identification and the same seal/signature used in the Application.

12.3 A person who has been sanctioned for Fraud and Corruption (unfair trade practices) cannot be designated as a representative.

12.4 In the case of a Joint Venture (JV), the Lead Partner of the JV shall act as the representative.

12.5 The Employer may reject a Bid if instructions are not followed.

13. Preparation of Bids

13.1 The Bid must be prepared in accordance with the Bidding Documents. The Bid Price must be stated as a lump sum or as a unit price and total price (based on Bill of Quantities).

13.2 In Bidding with a Priced BoQ, the Bidder shall submit a Bid stating the total Bid Price and include a priced Bill of Quantities with unit rates filled in on the Bill of Quantities provided by the Employer.

13.3 The Bid must be signed by the legally authorized representative of the Bidder. If the Bidder is a corporation, the Bid shall be signed by the Representative Director or a person holding a valid Power of Attorney. This signature and seal must correspond to those used in the Application.

13.4 Any deletions or corrections to the Bid must be initialed by the person who signed the Bid.

14. Submission of Bids

14.1 The Bid shall be submitted in a sealed envelope.

14.2 A Bidder shall submit its Bid no later than the date and time instructed by the Employer (Deadline for Submission of Bids).

14.3 Submission by post is effective only if it arrives on or before the Deadline for Submission of Bid. The Employer is not responsible for lost or delayed Bids.

14.4 The envelope must be marked with the Bidding name, date/time, Bidder's name, etc.

14.5 The Employer shall record receipt and keep the envelope unopened until Bid Opening.

14.6 A Bidder may modify, substitute, or withdraw its Bid prior to the Deadline for Submission of Bids. No Bid may be modified, substituted, or withdrawn after the Deadline.

15. Submission of Priced Bill of Quantities

15.1 In Bidding with a Priced BoQ, the Bid must include a Priced Bill of Quantities.

15.2 In Lump Sum Bidding, the successful Bidder must submit a Priced Bill of Quantities before commencement of Works (or as specified in the Contract).

15.3 Each page of the Priced Bill of Quantities must bear the seal or initial of the Bidder.

16. Deadline for Submission

16.1 All documents comprising the Bid (including those evidencing eligibility) must be submitted on or prior to the Deadline for Submission of Bids specified in the BDS.

17. Fair Competition

17.1 Bidders must not engage in Fraud and Corruption, including Collusive Practices regarding the Bid Price.

17.2 If a Bidder violates paragraph (1), the Employer may reject the Bid in accordance with Article 20 and take appropriate action (e.g., requesting an investigation or imposing sanctions).

18. Long-Term Contracts

19. Competitive Bidding

19.1 Competitive Bidding requires two or more substantially responsive Bids to be valid.

20. Rejection of Bids

20.1 Bids that fall under any of the following criteria shall be rejected as non-responsive:

(a) Bids submitted by ineligible Bidders;

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) Bids submitted by persons without the valid power of representation;

(c) Bids missing mandatory documents listed in the BDS;

(d) Multiple Bids submitted by the same person (violation of the One Bid per Bidder rule);

(e) Bids where material information (e.g., Bid Price) is omitted or undear, or where corrections are not initialed;

(f) Bids involved in Collusive Practices (or Fraud and Corruption);

(g) Bids without the Bidder's signature/seal or with a discordant signature/seal;

(h) Bids for which a withdrawal has been accepted at the Bid Opening due to significant errors;

(i) In Bidding with a Priced BoQ, Bids missing the Letter of Bid or Priced Bill of Quantities, containing price inconsistencies, or containing material reservations;

(j) Bids submitted without the prescribed Bid Security (or Bid-Securing Declaration); or

(k) Bids otherwise failing to comply with the requirements of Article 13 (e.g., failure to use the prescribed form).

21. Extension of the Deadline for Submission of Bids

21.1 The Employer may extend the Deadline for Submission of Bids specified in the BDS if clarification provided under Article 7(2) is material or for other unavoidable reasons.

21.2 Details of any extension must be provided to Bidders in the same manner as the initial BDS (e.g., via notice or addendum).

22. Cancellation of Bidding

22.1 The Employer may cancel the Bidding at any time prior to the issuance of the Notification of Award due to unavoidable circumstances.

22.2 No Bidder shall be entitled to claim any damages or costs in connection with such cancellation.

23. Re-bidding and Re-advertised Bidding

23.1 "Re-bidding" refers to a procedure in which the Employer allows the Bidders who participated in the initial Bidding to submit new Bid Prices immediately (or within a specific timeframe on the same day) without changing the original terms and conditions, in the event that no successful Bidder is selected during the Bid Opening (e.g., where all submitted Bid Prices exceed the Official Estimate or fall below the Minimum Acceptable Bid Rate).

23.2 "Re-advertised Bidding" refers to a procedure in which the Employer issues a new public notice to invite Bids again, in the event that no Bids are submitted, fewer than two substantially responsive Bids are received, no successful Bidder is selected, or the successful Bidder fails to sign the Contract.

23.3 The terms and conditions of the initial Bidding (except for the deadline or price submission timeline) shall remain unchanged.

24. Bid Opening

24.1 The Bid Opening shall be conducted at the place and time specified in the BDS. Bidders or their authorized representatives may attend the Bid Opening.

KOICA CAMEROON

25. Selection of Successful Bidder

25.1 The successful Bidder shall be selected in accordance with the applicable Regulations of the Employer (KOICA Regulations).

25.2 The selection of the successful Bidder shall become effective upon the Bidder's receipt of the Notification of Award. The Employer reserves the right to annul the bidding process and reject all Bids at any time prior to the Notification of Award, without incurring any liability to the Bidders.

25.3 In the event of a tie in ranking, the Bidder with the higher score in the evaluation of Performance Capabilities shall be selected. If the tie persists, the successful Bidder shall be selected by drawing lots.

26. Expenses

26.1 The Costs of Bidding shall be borne by each Bidder.

27. Language of Bid

27.1 The Bidding Documents shall be written in English. The Employer may provide the Bidding Documents in the local language.

27.2 The Contract shall be written in the same language. In case of any discrepancy, the English version shall prevail.

28. Signing of Contract

28.1 Within seven (7) days of receipt of the Notification of Award, the successful Bidder shall submit the required documents (e.g., Priced Bill of Quantities). The successful Bidder shall sign the Contract within ten (10) days.

28.2 The period of Force Majeure shall be excluded from the calculation of the time limit.

28.3 The successful Bidder shall submit all relevant documents requested.

28.4 Adjustments to the Contract Price due to price fluctuations may apply if permitted in the Bidding Documents.

29. Conclusion of Contract

29.1 The Contract shall be finally concluded upon execution of the relevant Contract documents by both the Employer and the successful Bidder.

30. Performance Security

30.1 Prior to the signing of the Contract, the successful Bidder shall submit the Performance Security.

30.2 The Performance Security shall remain valid for at least sixty (60) days after the expiration date of the Contract.

30.3 The successful Bidder may be exempted from submitting the Performance Security in any of the following cases:

(a) Government agencies or local governments of the Republic of Korea;
(b) Public institutions established under the laws of the Republic of Korea;
(c) Foreign entities in which the government holds a 50% or greater equity stake; or
(d) Cases where the collection of the Performance Security is deemed inappropriate considering fair and reasonable contractual practices.

30.4 An exempted Bidder shall submit a Performance-Securing Declaration guaranteeing payment of the Performance Security amount in the event that liability arises.

31. Confidentiality

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

31.1 The Bidder shall not use the Bidding Documents or information for any purposes other than participating in the Bidding.

32. Integrity Principles

32.1 The Employer may request the Bidders to submit a Pledge of Integrity, committing to act with integrity, refrain from collusion and bribery (Fraud and Corruption), and consent to sanctions.

32.2 The successful Bidder agrees to incorporate this Pledge into the Contract.

32.3 Any party found to have engaged in Fraud and Corruption shall be subject to sanctions (such as cancellation or termination of the Contract).

33. Electronic Bidding

33.1 Electronic Bidding shall be subject to separate regulations.

34. Application of Other Procurement Regulations

34.1 Unless otherwise provided in these Instructions, the Procurement Regulations shall apply.



Address/ZIP Code: P.O. Box 35415, Yaounde, Cameroon
Telephone: +237 222 207 144
Website: https://www.koica.go.kr/sites/cmr_en/index.do

Bidding Document

of the Construction Works for the Project to Build Emergency Medical System in Cameroon (Re-advertisement)

- Invitation for Bids No.: L2026-0006-2
- Bids Name: Construction Works for the Project to Build Emergency Medical System in Cameroon(Re-advertisement)
- Deadline for Submission of Bids: 4th November 2026 12:00
  Deadline of application: 26th October 2026 23:59

The Bidders shall prepare for the application after reading and fully understanding the content and conditions of this document. For more information about this bid, please contact the person in charge stated below.

○ Inquiries about bid procedures and the project: cameroon@koica.go.kr

KOICA Cameroon Office



The Bidding Document consists of Parts

The Bidding Document consist of Parts Ⅰ, Ⅱ, and Ⅲ, which include all the sections indicated below, and should be read in conjunction with any addenda issued in accordance with ITB 21.

PART Ⅰ Bidding Procedures
- Section 1 – Instructions to Bidders (ITB)
- Section 2 – Bid Data Sheet (BDS)
  Evaluation and Qualification Criteria (EQC)
- Section 3 – Bidding Forms (BDF)

PART Ⅱ Requirements
- Section 4 – Bill of Quantities
- Section 5 – Design Documents
- Section 6 – 1) Scope of Work
  2) KOICA Cameroon Quality Management Procedure
  3) Particular Specification
  4) Pre-Bid Site Meeting Notice (2026.09.21)
  5) Q&A of Construction Site Visit (2026.09.21)

PART Ⅲ Conditions of Contract and Contract Forms
- Section 7 – General Conditions of Contract (GCC)
- Section 8 – Special Conditions of Contract (SCC)
- Section 9 – Contract Forms (COF)

The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.



Bid Data Sheet

The KOICA (hereinafter referred to as "the Employer") invites sealed bids from eligible Bidders for the construction and completion of the Construction Works for the Project to Build Emergency Medical System in Cameroon (hereinafter referred to as "the Works"). Open Competitive Bidding will be conducted in accordance with KOICA Regulations.

< Notice >

Integrity Pledge: Bidders participating in this bid must familiarize themselves with the Special Conditions of the Integrity Pact covering the entire process–from bidding and award to contract signing and execution (including after project completion or delivery)–and must submit the duly signed Integrity Pledge at the time of bid submission.

Unfair Trade Practices: Any instances of corruption or unfair trade practices related to this bid may be reported to the KOICA Cameroon Office (airerae@koica.go.kr).

Anti-Corruption: If any KOICA employee requests money, entertainment, or makes other unreasonable demands in connection with this bid or contract, please report it to the KOICA Audit Office (clean@koica.go.kr).

1. Brief of Bidding

Invitation for Bids (IFB) No.	L2026-0006-2
Invitation for Bids (IFB) Name	Construction for the 'Project for Building of Emergency Medical Services System in Cameroon'(Re-advertisement)
Employer	Korea International Cooperation Agency (KOICA)
Project name	Project for Building of Emergency Medical Services System in Cameroon
Scope of Bid	1. Construction of a single medical and educational facility building on the site of CURY - Building Area 682.30 ㎡, 5 stories, Gross Floor Area 2,583.54 ㎡ - Including ER, OR, ICU, Ward, Control Center, and Simulation Center 2. Includes licensing and civil litigation related tasks required from groundbreaking to completion 3. Preparation of as-built drawings and operation and maintenance manuals

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Subcontractors	Subcontracting is not permitted unless otherwise specified.
Completion Time	730 days from the Commencement Date
Duration	Until 760 days from the date of signing the contract (Shall commence 30 days from the date of signing the contract)
Estimated Procurement Value	USD 4,100,524 (Exclusive of VAT and indirect taxes)
Engineer's Estimate	USD 4,018,513
Official Estimate	Determined using the Multiple Preliminary Estimates System
Currencies of Bid	United States Dollar (USD)
Taxes	KOICA bears no authority or responsibility for any taxes, including VAT, incurred under this Bid and Contract. The Ministry of Health(MINSANTE) is the designated competent authority for tax collection and refunds pursuant to the laws of Cameroon

2. Bid Type and Contract Award Method

Bid Type: Open Competitive Bidding (OCB)

Contract Award Method: Lowest Evaluated Bid subject to Post-qualification (Korea-Specific)

The contract will be awarded based on the "Lowest Evaluated Bid subject to Post-qualification" system, in accordance with the relevant regulations of the Republic of Korea.

[Evaluation Procedure]

Exclusion of Bids: Bids exceeding the Official Estimate shall be automatically excluded. Additionally, to prevent abnormally low bids (dumping), bids falling below the Minimum Acceptable Bid Rate (87.495%) shall also be excluded.

Order of Evaluation: Eligible bidders shall be reviewed sequentially in ascending order of their evaluated bid prices (from the lowest price).

Post-qualification: The contract shall be awarded to the bidder who achieves 95 points or higher in the qualification evaluation.

This evaluation operates as a pass/fail system based on the Passing Score, where composite points for Capability and Price are assessed sequentially, starting from the bidder with the lowest evaluated price. A bidder achieving the Passing Score is determined to be qualified and awarded the Contract; otherwise, the evaluation proceeds to the next lowest bidder.

Minimum Acceptable Bid Rate: 87.495%

Passing Score: 95 points

Applicable Regulation: The qualification evaluation will be conducted in accordance with the 'Standards of Qualification Examination for Selection of Constructor' (dated Mar. 5, 2026)

3. Eligibility Criteria (ITB 4)

The Bidder shall meet the following eligibility criteria:

(Application) A Bidder must have submitted the Application to Participate by the specified deadline. Bidders who have been officially notified of their eligibility following the preliminary examination are qualified to proceed.

(Legal Status) As of the Application Submission Deadlines, the Bidder must be a legally established entity in accordance with the laws and regulations of its country of registration.

(Licensing and Qualifications) As of the Application Submission Deadlines, the Bidder must hold all valid licenses and qualifications required to perform the Works in the project location.

Bidders must possess a valid license of 'Category B or higher in Bâtiments et Équipements Collectifs Sub-Sector of the Bâtiment et Travaux Publics(BTP) sector given by MINMAP based on 'Décret N°2018/366' and 'Arrêté N° 166/A/MINMAP'

(Past Performance/Experience) The Bidder must have successfully completed at least one (1) single construction project of health or public facility valued at USD 1,366,841 or more within the last 10 years prior to the Bid Announcement Date..

The applicable exchange rate shall be the same as that specified in the 'Evaluation and Qualification Criteria.'

(International Sanctions) the Bidder must not be an entity restricted, declared ineligible or sanctioned by any international organization or foreign government.

Submission: A Pledge must be submitted if official supporting documents are unavailable.

(For Korean Entities) Korean Bidders must not be currently under a suspension period as an "Improper Business Entity" pursuant to the National Contract Act, Local Contract Act, or the Act on the Operation of Public Institutions.

Verification: This will be verified through the Korea On-line E-Procurement System

(Anti-Corruption) The Bidder must not have been convicted of any bribery-related crimes under domestic or foreign laws.

Submission: Declaration of Anti-Corruption in ODA Project Participation.

(Integrity) The Bidder shall not directly or indirectly offer or receive money, goods, entertainment, or any other improper benefits during the bidding and award process.

Submission: Integrity Pledge

(Conflict of Interest) The Bidder must not be the entity performing the construction supervision for the subject Works, nor an Affiliated Entity thereof.

Affiliated entity: Refers to a company related to another through common ownership or control.

Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.

4. Joint Venture (JV) (ITB 8) : Not Allowed

5. Bidding Schedule

Event		Date & Time	Location
Bid Announcement		October 19, 2026 (October 19~21 notice on journal)	KOICA Website / Cameroon Tribune, Guardian Post
Application	Document Submission	Until October26, 2026 23:59	Electronic Submission via email cameroon@koica.go
	Result Announcement	October 29, 2026	via email

Inquiries	October 28, 2026 23:59	Electronic Submission via email cameroon@koica.go.kr
Bid Submission Deadline	Until November 04, 2026 12:00	KOICA Cameroon Office
Bid Opening	November 04, 2026 13:30	KOICA Cameroon Office

Application to Participate (ITB 5)

Application Submission: The Application to Participate must be submitted electronically to cameroon@koica.go.kr by no later than Monday, October 26, 2026.

Email Instructions: When submitting the application, the subject line of the email must be clearly marked as "(Bid Title) – Application to Participate".

Eligibility Examination: The Employer will conduct an Eligibility Examination on a Pass/Fail basis to verify the applicant's eligibility prior to the submission of Bids.

Required Documents: Applicants must submit the following documents:

A duly completed Application to Participate (Form-1)

Valid Business Registration Certificate

License valid of 'Category B or higher in Bâtiments et Équipements Collectifs Sub-Sector of the Bâtiment et Travaux Publics(BTP) sector by Ministry of Public Contracts(MINMAP)

Supporting Document of at least one (1) single successfully completed construction project of health or public facility valued at USD 1,366,841 or more within the last 10 years prior to the Bid Announcement Date.

Pre-Bid Meeting and Site Visit

A separate pre-bid site meeting will not be held for this re-advertised bidding. Instead, the documents provided during the initial pre-bid site meeting on 21 September 2026, which are included in these Bidding Documents, shall apply and remain fully valid.

Clarification of Bidding Document (ITB 7 & 21)

A prospective Bidder requiring any clarification on the Bidding Document shall contact the Employer in writing.

For clarification purposes only, the Employer's address is:

Attention: KOICA Cameroon EMS Project Manager

E-mail address: cameroon@koica.go.kr

Requests for clarification should be received by the Employer no later than 28th October 2026 23:59

The Employer will respond in writing to any request for clarification. Should the Employer deem it necessary to amend the Bidding Documents as a result of a request for clarification, it shall do so following the procedure under the "Amendment of Bidding Documents" section.

Amendment of Bidding Documents: At any time prior to the deadline for submission of Bids, the Employer may amend the Bidding Document by issuing addenda.

Any Addendum issued shall be an integral part of the Bidding Documents.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Bid Security (ITB 10 & 11)

The Bidder shall furnish, as part of its bid, a Bid Security in the amount of 5% of the Bid Price in US Dollars (USD), or a Bid-Securing Declaration if permitted in the BDS.

The Bid Security must remain valid for at least ninety (90) days beyond the bid submission deadline.

The Bid Security shall be, at the Bidder's option, in any of the following forms:

An unconditional bank guarantee (Form-7);

A cash

Any bid not accompanied by an irrevocable and callable Bid Security (or Bid-Securing Declaration) shall be rejected by the Employer as non-responsive. A Bid shall also be rejected if the Bid Security:

(i) deviates in form, amount, and/or period of validity; or

(ii) fails to provide sufficient identification of the Bidder.

The Bid Security may be forfeited (or the Bid-Securing Declaration executed) if the successful Bidder fails to:

(i) sign the Contract Agreement within the prescribed period; or

(ii) furnish the required Performance Security.

Submission of Bids (ITB 13, 14 & 15)

Bidders shall submit their Bids either by mail or by hand (Physical Submission). Electronic submission of Bids is not permitted.

For Bid Submission purposes only, the Employer's address is:

Attention: KOICA Cameroon office

Address: P.O. Box 35415, Bastos Yaounde, Cameroon

The Deadline for Bid Submission is:

Date and Time: 04th November 2026 12:00

The bid validity period shall be [90] days.

The Employer shall not consider any Bid that arrives after the Deadline for Submission of Bids. Any Bid received after the deadline shall be declared late, rejected, and returned unopened to the Bidder.

Preparation of Bid Price

Bid Type: Lump Sum Price

Bidders shall present a Bid Price using the prescribed form (Form-2), which must be duly signed and sealed before submission.

The Bid Price shall be submitted in a separate sealed envelope. The envelopes shall:

- Bear the name and address of the Bidder;
- Be addressed to the Employer; and
- Bear the specific identification (Bid Name and No.) of this bidding process.

For Unit Price Contracts, the Bid must include a Priced Bill of Quantities.

For Lump Sum Contracts, only the successful Bidder is required to submit a Priced BoQ before the commencement of Works (or as specified in the Contract).

Safety Management Costs

At least 0.5% of the total construction cost (excluding contingencies).

The actual expenditure of Safety Management Costs must be settled upon completion.

Contingencies

3% of the total construction costs.



Contingencies may be used, in whole or in part, only under the explicit instructions of the Employer.

Additional Documents

The Bidders shall submit with its Bid the following additional documents.

In addition to the original Bid, the Bidder shall provide one (1) copy of the Bid and one (1) USB drive containing the electronic files.

Documents for Submission
Bidder's Information Sheet (Form 3)
Bid Security (Form-7)
Evidence of Signing Authority: Documents evidencing the authenticity of the applicant's signature or seal. The written confirmation of authorization to sign on behalf of the Bidder shall consist of an organizational document, board resolution, or Power of Attorney (Form-5) specifying the representative's authority to sign the Bid, and legally bind the Bidder.
Documents Establishing Eligibility: Valid Certificate of Business Registration. Copy of valid registration issued by the relevant authority demonstrating that the Bidder is authorized to provide construction services in Cameroon : Category B or higher in Bâtiments et Équipements Collectifs Sub-Sector of the Bâtiment et Travaux Publics(BTP) sector by Ministry of Public Contracts(MINMAP) A Performance Certificate for at least one (1) similar project valued at no less than USD 1,366,841 completed within the past ten (10) years (2016-2025). (Form-12)
Declaration of Anti-Corruption (Form-10)
Evidence of Non-Debarment: A pledge (Form-9) or documentary evidence that the Bidder is not on any international organization's ineligibility list.
Integrity Pledge (Form-11)
Other Documents: Self-checklist for submission of bid documents.
Documents Establishing Qualification: Refer to the submission requirements specified in Annex 1 (Evaluation and Qualification Criteria)

Bid Opening (ITB 24)

The bid opening shall take place at:

Address: P.O. Box 35415, Bastos Yaounde, Cameroon

Time and date: November 04, 2026 13:30

The Employer shall open the Bids in public, and Bidders or their authorized representatives are encouraged to attend the opening session.

Cut-off: Bids that fall into any of the following categories shall be excluded from further evaluation:

(i) Bids exceeding the Official Estimate; or

(ii) Bids below the Minimum Acceptable Bid Rate.

Any bid below the Minimum Acceptable Bid Rate is excluded because it is mathematically impossible for such a Bidder to achieve the minimum passing score for contract award, even if the Bidder receives a perfect score in the capability evaluation.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Evaluation and Qualification Criteria

The evaluation of Bids shall be conducted in accordance with the method and criteria specified in Annex 1 (Evaluation and Qualification Criteria).

6. Rejection of Bids (ITB 20)

In accordance with ITB 20 and the Article 20 of KOICA Regulations for International Procurement, a Bid may be declared null and void (invalidated) if it fails to comply with the mandatory requirements.

7. Other Matters (ITB 26 & 27)

The Bidder shall bear all costs associated with the preparation and submission of its Bid. The Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

The language of the Bid, as well as all correspondence and documents relating to the Bid, shall be English.

The prices quoted by the Bidder shall be fixed and not subject to adjustment during the performance of the Contract, unless otherwise specified in the Bidding Documents.

All prices shall be quoted by the Bidder in United States Dollar (USD).

Bidders shall strictly adhere to all requirements of the Bidding Documents, including any written amendments (Addenda) issued by Employer. (These Bidding Documents are prepared in accordance with the KOICA Regulations on Contracts and Procurement.)

Bidders are advised to regularly check the KOICA Cameroon Office website for any amendments, updates, or clarification regarding this Bidding process.

The Employer shall publish the results of the Bidding via E-mail

Annex 1: Evaluation and Qualification Criteria

Annex 2: Contract Data



Evaluation and Qualification Criteria

The Qualifications of other firms such as the Bidder's subsidiaries, parent entities, or affiliates shall not be permitted.

Capability Evaluation (50 Points)

Construction Experience (20 Points)

Construction Experience	Distribution (Points)	Remarks
Construction experience of a similar nature to the subject contract within the last 10 years	Points shall be awarded based on the grade corresponding to the percentage, which is calculated by dividing the value of construction experience of a similar nature to the subject contract within the last 10 years by the evaluation baseline value. A: 100% or more: 20.0 B: 85% or more: 18.3 C: 70% or more: 16.5 D: 50% or more: 14.7 E: 30% or more: 12.9 F: Less than 30%: 10.3	Evaluation baseline value: $4,100,524

Construction experience of a similar nature to the subject contract within the last 10 years

Participation as a contractor, Joint Venture partner, or Subcontractor, in at least one contract that has been satisfactorily and substantially completed within the last 10 years and that is similar to the proposed works, where the value of the Bidder's participation meets or exceeds $1,366,841. The similarity of the Bidder's participation shall be based on: Health or public office

For contracts under which the Bidder participated as a Joint Venture partner or Subcontractor, only the Bidder's share, by value, shall be considered to meet this requirement.

If the contract value is not in US Dollars (USD), the exchange rate to be used to calculate the value of the construction experience shall be the selling rate of the Banque des États de l'Afrique Centrale on the date of the Invitation for Bids.

Documents (Submission Requirements): Form-12

In addition to the submission requirement Form-12, the Bidder shall provide the following supporting documents:

1. Signed Contract Agreement, and
2. Certificate of Completion of the Works (or equivalent) or Performance Certificate, in sufficient detail to verify the contract name, value and completion time. If the documents are in a language other than English, an accurate certified translation of these documents into English shall be provided.

Financial Situation (30 Points)

Historical Financial Performance (15 Points)

Item		Grade	Points
Capacity of Financial Resources (Base Price: USD 660,000)	Points are awarded based on the ratio of the amount remaining after deducting financial obligations for currently ongoing	A: 100% or more	14.0
		B: 85% or more	12.2
		C: 70% or more	10.3
		D: 50% or more	8.2



	contracts to the base price of this contract.	E: Less than 50%	7.6
Average Annual Construction Turnover for the last 3 years (Base Price: USD 4,000,000)	Points are awarded based on the ratio of the annual average construction revenue to the base price, based on the total amount of work completed for contracts ongoing or completed over the past three years.	A: 100% or more	14.0
		B: 85% or more	12.4
		C: 70% or more	10.3
		D: 50% or more	9.2
		E: Less than 50%	7.6
Operating Period	The period from the date of acquisition or registration of the construction license to the evaluation reference date.	5 years or more	2.0
		3 year or more and less than 5 years	1.8
		Less than 3 year	1.5
Total			

Financial Resources

The maximum points shall be awarded if the Bidder's financial resources defined in Form-15, less its financial obligations for its current contract commitments defined in Form-16, meet or exceed the total requirement for the Subject Contract of $660,000.

The bidder must submit a letter regarding fundraising ability issued by an accredited bank within the second and third quarters of 2026.

Documents (Submission Requirements): Form-13, Form-15 and Form-16 and Bank Letter regarding fundraising ability (Credit Line)

Average Annual Construction Turnover

The maximum points shall be awarded for a minimum average annual construction turnover of $4,000,000, calculated as total certified payments received for contracts in progress or completed, within the last 3 years.

The bidder must submit audited financial statements for the fiscal years 2023, 2024, and 2025.

the exchange rate to be used to calculate the value of the construction turnover shall be the selling rate of the Banque des États de l'Afrique Centrale on the date of the Invitation for Bids.

Documents (Submission Requirements): Form-13 and Form-14 and Audited Financial Statements (2023–2025)

Price Evaluation (50 Points)

Formula: $50 - 2 \times | (90/100 - \text{Bidding Price/Official Estimate}) \times 100 | = \text{Bid Score}$

If the value of "Bidding Price/Official Estimate" has decimal points, it shall be rounded to the fifth decimal place.

If the bidder's Bidding Price is 92.5% or above of the Official Estimate, the bidder will receive a score of 45 for the price evaluation. (Only for the bidders whose Bidding Price is lower than the Official Estimate)

Minimum Score is 2.0

KOICA CAMEROON

Qualification Threshold

A bidder subject to the qualification evaluation must obtain a total composite score (Capability + Price) of 95 points or higher to be awarded the contract.



Annex 2: Contract Data

Contract Data

Employer's Name and Address	Name: Address:
Engineer's Name and Address	Name: Address:
Time for Completion	730 days from the Commencement Date
Defect Notification Period (DNP)	2 years
Governing Law	Korean and Cameroonian Laws
Ruling language	English
Language for communications	English
Performance Security	The performance security will be in the form of an unconditional bank guarantee in the amount of 15% of the Contract Price. Guarantee period shall be start from the contract date to 60 days after the end of the contract period
Delay damages for the Works	0.05% of the final Contract Price per day, in the currencies in which the Contract Price is payable.
Maximum amount of delay damages	30% of the final Contract Price.
Contingencies	3%
Adjustments for changes in Cost	Not applicable
Total advance payment	20% of the Accepted Contract Amount payable in the currencies in which the Accepted Contract Amount is payable. (shall be adjustable) This advance payment shall be paid upon the presentation of a Bank guarantee covering 100% of the advance. Guarantee period shall be start from the advance payment date to 60 days after the end of the contract period
Percentage of Retention	3% Bank issued bond, If the both parties agree on Retention as Maintenance Deposit, 3% will be deducted from the final payment and shall be returned
Insurance required for the Works	가 Construction All Risks (TRC/CAR), - Insured: Contractor / Timing: before commencement, whole period.

	7) Decennial Liability (RC Décennale, 10-yr) - Insured: Contractor (design/control parties) / Timing: within 30 days before delivery, then 10 yrs.
International Arbitration	International arbitration shall be: (i) Administered by: [Korean Commercial Arbitration Board] (ii) Conducted in accordance with the rules of: [International Arbitration Rules of the Korean Commercial Arbitration Board]

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

EMERGENCY MEDICAL SERVICE CENTER IN CAMEROON
DESIGN GROUP FIVE

Exchange Rate : 0.0017

Item	Section	Amount (FCFA)	Amount (USD)	Ratio
	SUMMARY OF COSTS			
	PRELIMINARIES & GENERAL REQUIREMENTS	-		
	CIVIL WORKS	-		#DIV/0!
	PAVEMENT WORKS - CURY Workscope	-		#DIV/0!
	ARCHITECTURAL WORKS	-		#DIV/0!
	LANDSCAPE WORKS - CURY Workscope	-		#DIV/0!
	MECHANICAL WORKS	-		#DIV/0!
	ELECTRICAL & COMMUNICATION WORKS	-		#DIV/0!
	FIRE PROTECTION WORK	-		#DIV/0!
	Contractor's Overhead & Profit	-		#DIV/0!
	TOTAL SUMMARY (excl. VAT)	-		#DIV/0!
	CURY WORKSCOPE	-		#DIV/0!

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

	KOICA WORKSCOPE	-	#DIV/0!
	TOTAL CONSTRUCTION BUDGET BUDGET OVERRUN AMOUNT OVERRUN PERCENTAGE	총 공사비 확인 필요	총 공사비 확인 필요

Item	Description	Quantity	Amount (FCFA)
	PRELIMINARIES & GENERAL REQUIREMENTS		
	Notes on Preliminaries & General Requirements		
	These Preliminaries are applicable to the whole of the Works. If the Tenderer wishes to price any of the items contained herein, then each such item, clause or subclause must be individually priced. The Tenderer shall not enter any lump sum covering more than one or all items, clauses or sub-clauses. Where any item, clauses or subclauses of the Preliminaries has not been priced, it will be deemed that the value of such item, clause or sub-clause is included in the rates for measured items elsewhere in the Bill of Quantities.		
	Quantity information stipulated in the Bills of Quantities is reference only. The Contractor is responsible for confirming quantities required refer to the provided drawings to complete the Works as per the Tender/Contract documents.		
P1	Instructions to Tenderers The Contractor shall describe and list below and price herein any obligations contained in Instructions to Tenderers for which he has not allowed elsewhere and wishes to price separately.		
P2	Form of Agreement The Contractor shall describe and list below and price herein any obligations contained in Form of Agreement for which he has not allowed elsewhere and wishes to price separately.		

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

P3	Conditions of Contract The Contractor shall describe and list below and price herein any obligations contained in Conditions of Contract for which he has not allowed elsewhere and wishes to price separately.		
P4	Form of Tender		

Item	Description	Quantity	Unit/Price
	The Contractor shall describe and list below and price herein any obligations contained in Form of Tender, for which he has not allowed elsewhere and wishes to price separately.		
P5	Drawings The Contractor shall describe and list below and price herein any obligations contained in Drawings for which he has not allowed elsewhere and wishes to price separately.		
P6	Bills of Quantities The Contractor shall describe and list below and price herein any obligations contained in Bills of Quantities for which he has not allowed elsewhere and wishes to price separately.		
P7	Pricing Generally		

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION

		Quantity	Amount (FCFA)
	The Contractor shall satisfy himself as to the meaning of every item in the Bills of Quantities and the rates and prices inserted by him will be deemed to cover all his obligations under the contract and all matters and things necessary for the proper construction and completion of the Works including, but not by any way of limitation, all temporary work required (including any that may be required by subcontractors, whether nominated or otherwise). The prices shall include for all materials and labour and for the provision and use of all plant whether mechanical or non-mechanical required for the expeditious carrying out of the Works in their proper sequence -for shifting, altering and adapting such temporary work and plant as may be required during the progress of the Works and removing at completion and making good any surfaces disturbed; and if not included in the prices inserted against the Conditions of Contract clauses; for the guarantees, insurances for the costs of preparing a tender; for the work in connection with measurements and the final account, for profit and for all other establishment charges and on costs of whatever nature. No claim for additional payment will be allowed for any error or misunderstanding by Contractor in these respects.		
	The selected Contractor will be required to provide the Engineer with a full and detailed Tender breakdown upon being awarded the contract. This tender breakdown is to show the actual calculations of the Preliminaries, the labour, plant and materials cost of the works, the build-up of measured rates with on costs and overheads and any other allowances used to arrive at the Tender Sum.		

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Item	Description	Quantity	Amount (FCFA)
P8			
	General Obligations The Contractor shall be responsible for coordinating all construction drawings and shop drawings including subcontractors, statutory undertakings, contractors or others employed directly in connection with the works so that each may be installed in such a manner as to ensure proper performance and adequate fixing of the structure and to avoid conflicts in the positioning of the various ducts, cables, other items of service installations and other like items. The Contractor shall employ a competent person experienced in the coordination of Engineering and other installations to perform this duty. He shall arrange for his own subcontractors to attend any necessary coordination meetings. Any amendments to the Builder's work drawings and Working Drawings consequent upon the co-ordination of the various installations shall be made by the main contractor or others concerned prior to such drawings being submitted to the Engineer for approval, all at the cost of the contractor, and at no extra cost to the Employer. The Contractor shall be solely responsible for ensuring that his subcontractors and others programme their work and provide him with information regarding the Work in reasonable time relative to his construction programme.		
P9	Quantities in Bills Not Basis for Ordering Materials The Contractor shall not use the Quantities given in the Bills of Quantities as a basis for ordering materials unless and until he has satisfied himself from the drawings and site information that the quantities so given are correct for the work to be executed.		

KOICA CAMEROON

P10 Permits and Fees

	Description	Quantity	Amount (FCFA)
	The Contractor shall be responsible for obtaining all required permits, inspections and tests as may be required for the proper installation of his works by the statutory requirements and various other administrative authorities.		

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

P11	Performance Security / Insurances The Contractor is to list hereunder all costs to comply with the necessary insurance levels required by the Conditions of Contract. Performance Security Insurances Of the Work (Contractors All Risk) Third Party Workmen's Compensation		

Item	Description	Quantity	Amount (FCFA)

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

	Access to or Possession or Use of the Site		
P12	The Contractor shall restrict access to the site to those persons entitled to be present under the Condition of Contract and to persons authorized by the Employer to visit the Works. The Employer shall give the Contractor sufficient notice prior to bringing his invitees to the site and the Contractor shall allow for taking reasonable precautions during such visits against the possibility of injury to persons and/or their property.		

		Quantity	Amount (FCFA)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

The Contractor shall provide at all times throughout the duration of the Works, from commencement to the date of the Certificate of Final Completion, proper means of access including ladders, scaffolds, etc., and the necessary attendances to move and adapt same as directed by the Engineer.

The Contractor shall remain solely responsible for complying with regulations imposed by any statutory authority regarding access to the site including allowing for the cost of such compliance.

The Contractor shall allow the provision of all necessary temporary access to workmen employed by the local or other authorities.

The Contractor shall allow for keeping roads free from rubbish and builders debris and shall make good at his own expense any damage caused to the existing roads and any other areas, by his Subcontractor's, his Supplier's or his own vehicles and plant.

The Contractor shall be responsible for obtaining all approvals, land surveys and excavation permits, and shall pay all charges in connection therewith.

The Contractor shall take all measures necessary to confine his activities to, and to prevent his workmen from trespassing beyond the site area, and any nuisance or detriment caused to the public, the Employer, or owner, or occupier of existing adjacent premises or land, including premises handed over to the Employer prior to Practical Completion by the Contractor or those employed by him, shall be stopped immediately any complaint is made. If such trespass does occur the Contractor shall make good at his own cost any loss or damage arising by reason of such trespass.

The Contractor will be held solely responsible for ensuring that no nuisance arises from whatever cause, and if such nuisance does arise through neglect of proper precautions the Contractor shall indemnify the Employer against all claims which may be made in this respect. The Contractor shall not use the site for any purpose other than carrying out this Contract.

Item	Description	Qty	Unit	Amount (FCFA)

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

	The Contractor shall not cause electrical interference to radio, television receivers, computers or other instruments in adjoining properties.		
P13	Site Visit Contractor is expected to visit the site and should familiarize himself with the prevailing conditions and accordingly evaluate the limitations or constraints imposed by such site conditions, which may affect the works. Rates inserted in this tender shall be deemed as inclusive to cover all the related expenses. Contractor to Verify Site Measurements All dimensions and levels shown on the Drawings shall be verified by the Contractor on the site and he will be held responsible for the accuracy and maintenance of all dimensions and levels. All levels and dimensions shown on the Drawings are expressed in metric units. The Contractors shall be entirely responsible for the coordination of all works carried out by Sub-Contractors whether nominated or not, and shall be responsible for ensuring that all Sub-Contractors shop and/or working Drawings are not to prejudice the expeditious execution of the Works in accordance with the programme.		
P14	Topographical Survey As soon as the Contract has been signed, the Contractor shall carry out a detailed topographical survey, to the approval of the Engineer. A permanent datum point must be established during this operation to the approval of the Engineer.		
P15	Geotechnical Survey		

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Quantity	Amount (₩)
P16	Independent site investigations have been carried out. A copy of the report may be viewed at the offices of the Engineer. The Contractor will be deemed to have examined the reports, familiarised himself with the site, satisfied himself as to the nature of the ground and subsoil and carried out any additional investigations he considers necessary. <u>Limitation of Working Space</u> The Contractor and his Subcontractors etc. will be restricted to the designated work areas and the Contractor shall be responsible for ensuring that his workpeople and Subcontractors etc. remain within these designated areas. The Contractor shall confine his apparatus, the storage of materials and the operation of workmen to the site and shall not unreasonably encumber the area with his materials. The Contractor shall be entirely responsible for complying with authority regulations regarding fencing the site, storage of materials and spoil heaps, unloading of materials, temporary buildings etc. No claims for delay or costs will be entertained in the event of work being stopped for a breach of regulations.		

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

P17 | Site Preparation

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Quantity	Amount (FCFA)
	Allow for site preparation, including removal of existing vegetation or waste disposal, if any.		
P18	Checking Schedules, Drawings etc. The Contractor shall be responsible for checking all schedules and Drawings etc., supplied by the Engineer. In the event of any discrepancy being found between such schedules and Drawings etc., or if the Contractor considers that additional detail Drawings are required, then in either case the Contractor shall report such discrepancy to the Engineer for instruction, or apply in writing for such detail Drawings. The Contractor is to allow in its rates for the production of all shop Drawings, working Drawings, operation and maintenance manuals called for in the Specification. The rates in the appropriate section shall include for design of the Works as specified in the Contract and providing working Drawings, shop Drawings, schedules, Specification, calculations, etc. and for obtaining the Engineer's approval.		
P19	Shop drawing The Contractor is to allow for provision of necessary shop drawings.		
P20	Method Statements The Contractor is to allow in his tender for providing method statements.		

KOICA CAMEROON

P21			
	As Builit details The Contractor is to allow for provision of as built details for the purpose of handing over.		
P22	Copies of Orders		

		Quantity	Amount (FCFA)
	The Contractor shall supply to the Engineer copies of all orders placed by him and copies of the suppliers confirmation of orders for the supply of materials for the construction of the permanent work or any item of permanent work or materials for the fabrication thereof; similarly Sub-Contractors shall supply, through the Contractor, copies of all orders they may place for items of work or materials for fabricating any articles or things for which they have sub-Contracted. The Contractor shall not use the quantities given hereafter as the basis for ordering materials.		

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P23	Records, Drawings, Operation & Maintenance Manuals The Contractors shall submit to the Engineer, in accordance with the relevant clauses in the General Specification, Records, Drawings and Operation and Maintenance Manuals for the Works. Should the Contractor fail to produce such information, the Employer will, after serving notice to the Contractor, instruct other persons to produce this information and all costs incurred will be charged to the Contractor. Records, Drawings, Operation and Maintenance Manuals shall be supplied in the number of copies set out in the Specification, failing which an adjustment will be made to the Contract price.		
P24	Progress Photographs The Contractor shall be permitted to take progress photographs (with date shown) of the Works under construction. An adequate number of photographs must be taken for inclusion in the monthly Contractors Progress Report, which will be issued on a date to be agreed with the Engineer.		
P25	Proprietary Materials Allow for providing proprietary materials, including samples, catalogues, technical data and instructions		

Item	Description	Quantity	Amount (₩)

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

	Substitute Materials During the course of the Contract certain materials may be unobtainable despite the best efforts of the Contractor. The Contractor may then offer substitute materials for the approval of the Employer/Engineer, whose decision will be final.		
P26			
P27	Samples The Contractor is to arrange for the submission of samples of all materials and manufacturers of materials proposed to be used / incorporated in the works, all samples, goods, literature and the like are to be provided at the contractor's expense.		
P28	Testing of the Works The Contractor shall provide all necessary labour, plant and materials for testing of the Works prior to covering up, and again at completion in the presence of the Engineer along with the local authorities, and leaving perfect. The Contractor shall provide water, fuel and electricity necessary for testing services installations. Where material testing is required under the Specification, the Contractor shall conduct all testing at an approved laboratory to the Engineer's satisfaction and at the Contractor's expense. All test results shall be submitted to the Engineer as soon as they are received by the Contractor.		

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P29 Labour and Materials

Item	Description	Quantity	Amount (FCFA)
	The Contractor shall provide such labour, materials and transport as the Engineer's representative may require to assist him in carrying out tests and checks on materials and workmanship and setting out and measurement of works.		

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P30

Site Administration

The Contractor shall provide sufficient staff and equipment to perform the administrative duties involved in executing the Contract. Such staff shall be properly qualified to perform their respective duties and shall not be removed from the site or replaced without the prior permission of the Engineer.

The whole of the works shall be under the full time supervision of the Contractor. The Contractor's supervisory staff appointed for the works shall be fully qualified and experienced in the type of construction work to be carried out as well as being able to speak, read and write English. One member of the Contractor's personnel fully conversant in English shall be available at all times.

Other Contractors and Tenant fit-out Contractors shall be employed to carry out work on and about the Site during the currency of this Contract. The Contractor shall allow for managing, supervision and liaising with such other parties and co-ordinating the works with his own and providing such facilities as may be reasonably required by such other parties.

Item	Description	Quantity	Amount (FCFA)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

	The Contractor shall make allowance for managing, supervising and liaising with the contractors executing the separate work packages and permanent utility connection works. The Contractor shall keep the Engineer fully informed of the sequence of all operations comprised in the works and he shall not delegate such responsibility to any Sub-Contractor or to any other agent except with the written permission of the Engineer.
P31	Safeguarding the Works, Materials and Plant against Damage and Theft The Contractor shall provide all watching and lighting and all items necessary by day and night for safeguarding the Works, materials and plant, including that being the responsibility of Sub-Contractors, against damage from any cause. The Contractor shall provide full time security guards on site and is not to use construction workers as guards.
P32	Restriction of Site Area Allow for providing sufficient area for the smooth flow of works, and not limited within the site boundaries as required. The use of site area is limited only for activities related to the works.
P33	Local Authority Workmen Allow for giving access to workmen employed by the local or other authorities and providing them with attendance as required.

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P34 Working with Other Contractors

Item	Description	Quantity	Amount (FCFA)
	The Contractor is understood to be aware that he will not have the sole use of the site and is understood to have allowed for working with other Contractors as required under the Contract.		

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P35

Supervision and Co-ordination of Other Works

The Contractor shall be fully responsible for supervising and coordinating the works of other Contractors, Sub-Contractors and Tenant Fit-Out Sub-Contractors and other parties employed on the site.

The Contractor shall be responsible for ensuring that works carried out by other parties are in full compliance with the relevant Specifications and Tender Documents.

The Contractor shall allow for all General and Special Attendances required in connection with any Sub-Contractor's including Tenant Fit-Out Contractors

The Contractor shall also be responsible for co-ordinating the works of other parties with each other and with his own works to ensure compliance with individual approved programmes and the approved overall programme for the works.

The Contractor shall provide staff suitably qualified to supervise each section of the works or works of other parties to ensure full compliance with the Specifications and the Tender Documents.

The Contractor shall submit a C.V. for the Engineer's approval for each member of staff to be employed on the supervision of the Works of other parties and shall allow for the costs in connection with organising and attending Tender interviews with the Employer/Engineer for the key site staff proposed.

If during the course of the works, the Contractor finds that works carried out by another party are not in compliance with the Specification or the Tender documents, he shall report the matter to the Engineer giving a full and detailed account to enable the Engineer to provide a remedy in compliance with the Contract.

Item	Description	Quantity	Amount (FCFA)

KOICA CAMEROON

	Should the Contractor fail in his duty to bring to the attention of the Engineer works carried out by another party which are not in compliance with the Specifications of the Tender Documents then the Contractor shall bear the consequences and indemnify.		
P36	<u>Site Survey & Permanent Datum</u> Contractor shall conduct pre-conditional survey and hand over details to Engineer. Contractor shall check and confirm the accuracy of the existing ground levels that are shown in the drawing. A permanent datum point must be established during this operation, and to approval of Engineer Contractor to appoint a surveyor for co-ordination and arrange survey equipment as required, including establishment, maintenance and removal on completion.		

KOICA Ave CAMEROON

P37	Survey Report The Contractor shall prepare a survey report, to the approval of the Engineer, prior to commencement of the Works. Prior to the works commencing on site the Contractor shall carry out a photographic and dilapidation survey to the adjacent properties and roads identified by the Engineer.		

Item	Description	Quantity	Amount (₩)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Quantity	Amount (FCFA)
	Plant, Cranage and Tools The Contractor is to include for all mechanical and nonmechanical plant, equipment, cranage, tools and vehicles required for the expeditious carrying out of the Works in accordance with the contract documents and list below and price any mechanical and non-mechanical plant, equipment, cranage, tools and vehicles for which he has not allowed elsewhere and wishes to price separately. The Contractor shall provide all constructional plant, lifting equipment, transport facilities, tools and services, required for the proper execution of the Works including operator, his wage, fuel, electricity, proper insurance, maintenance costs, any fees and mobilisation & demoblisation costs; tower crane mobile crane hoist fork lift The facilities shall include the provision of protective clothing and safety equipment.		
P38			

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

	The Contractor shall be responsible for delivery to the site of all constructional plant, which he needs to carry out the Works. This responsibility shall include shipment, customs clearance, off-loading, loading and handling and all transportation to site and the removal of all redundant plant on completion of the Works. Only modern, properly maintained equipment of the appropriate capacity and suitability for the duty required. All lifting equipment shall be kept fully test certified for the duties required and certificates shall be produced to the Engineer on demand. The validity of such certification to be maintained throughout the duration of the Works.		
P39	<u>Temporary Roads</u> The Contractor shall prepare and maintain such temporary roads as may be necessary from the site to the nearest road and also within the Site and shall obtain the necessary approvals. The roads shall be kept free for access at all times. The Contractor is to provide traffic management to warn and direct the public in relation to construction activities and temporary traffic diversions. The Contractor shall maintain these for the duration of the Contract and to the satisfaction of the Engineer.		

P40			
	Site Fencing Design, fabricate, supply & install fencing, gates, and sign boards including structure and foundation as per the details given in drawings and specifications, complete, and as per approved shop drawings and designs including any fee payable to the DSO for the leasing and obtaining permission from the neighbor plot owners.		
		Quantity	**Amount (FCFA)**
	Establishment of fencing Establishment of gates Maintenance of fencing, gates Removal, and making good the area, on completion		
P41			
	Temporary Works All temporary works shall be designed by the contractor, as per local standards and to approval of Engineer. Shop drawings and design calculations shall be submitted to Engineer's approval.		

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P42	Scaffolding The Contractor shall allow for providing, altering, and adapting all scaffolding, guard rails, walkways, toe boards, ladders, etc., necessary for the proper execution of the Works by himself and all Sub-Contractors. The Contractor shall meet the safety standards of local authorities and Employer's for the use of scaffolding. The Contractor shall allow for providing a safety rail consisting of double rail and toe board as a minimum to the external perimeter of each level or where risk of failing is evident. If the Contractor should remove any of his scaffolding before ascertaining whether it is required by any Sub-Contractor or public undertaking, he must re-erect same if it is required, at his own expense. Should the Contractor wish to erect scaffolding on adjacent land or property he shall obtain the relevant permissions, clear away and make good any damage and pay all costs and charges in connection therewith.		
P43	Site Layout Detailed site layout shall be prepared by contractor, with clear indication of all all temporary installations and site facilities, to Engineer's approval.		

Item	Description	Quantity	Amount

KOICA INTERNATIONAL COOPERATION AGENCY
KOICA CAMEROON

P44

Site Office Facilities for Contractors

Design, supply and establish office accommodation complete as per approved shop drawings.

Rest Areas, drinking water and sanitary facilities for labours.

Accommodation facilities for sub contractors.

Storage facilities for materials (for main contractor and sub contractor).

Allow for any fee payable for hiring a separate plot for car park or yard and obtain approval, if necessary.

P45

Site Office Facilities for Employer and Engineer

Temporary office accommodation for the exclusive use of Employer, Engineer and their representative including all furnishings, fittings, stationaries, equipments, service connections, parking areas and related facilities etc.

P46

Relocation

The Contractor may be requested by the Engineer to relocate the position of the site office facilities all costs of which will be borne by the Contractor.

P47

Contractor's Site Office

The Contractor's office shall be open at all reasonable hours to receive instructions and other communications.

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Quantity	Amount(FCFA)
	The Contractor shall provide, maintain and subsequently remove on completion of the Contract, all Contractor's site offices necessary for the proper execution of the Works. These offices shall be weathertight, lockable, air conditioned if necessary and provided with adequate lighting. These facilities shall be to the approval of the Engineer.		

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P48

Protection of the Works

The Contractor shall carefully cover up, keep free of obstruction and protect the Works (or any adjoining property exposed by these Works) from inclement or damaging weather conditions.

The Contractor shall take all reasonable and proper steps for the protection of all places on or about the Works which may be dangerous to his workmen or any other person or traffic.

The Contractor shall provide all necessary dust sheets and barriers and clean away the same on completion.

The Contractor shall also protect the Works from any damage by his own or other workmen performing subsequent operations.

The Contractor shall provide and maintain all necessary signs, barriers, warning lamps and barricades to prevent any accident or damage.

P49 Water for the Works

Item	Description	Quantity	Amount (FCFA)
	The Contractor shall provide clean, fresh water for the execution of the Works together with all necessary temporary plumbing and receptacles for storage and shall ensure that spillage is kept to a minimum. Make good all work disturbed to the satisfaction of the Engineer.		

KOICA KOREA INTERNATIONAL COOPERATION AGENCY CAMEROON

P50 Temporary Lighting and Power

Provide, install, maintain and remove on completion all necessary temporary transformers, generators, cables, leads, lighting and power required for the Works and commissioning of the Works, for all trades and Sub-Contractors and distribute about the site and pay all fees and charges in connection therewith.

The Contractor is to provide silenced temporary generators and install behind earth or other acoustic barriers to minimize noise breakout, if necessary.

The Contractor shall pay any and all charges incurred by the consumption of electrical current used for the Works or commissioning of the Works before handing over the Works to the Employer, who shall not be liable for any electrical costs other than the indicated separately.

Any additional lighting for the inspection of the work shall be provided as instructed by the Engineer.

P51

Temporary Works for Traffic Management

The Contractor shall allow for complying with all temporary works associated with traffic management including altering and adjusting as necessary during the project.

P52 Traffic Regulations

Item				
			Quantity	Amount (€)

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

	The Contractor shall ensure that all vehicles travelling to and from the site take special care in the vicinity of the site to avoid any danger to persons or property.		
P53	Maintenance of Public and Private Roads/Services The public roads from which access to the site is gained must be kept clear and free from spoil, dirt, rubbish and disturbance. The Contractor must also ensure that the surfaces where damage occurs are to be maintained or repaired to the satisfaction of the Engineer at the Contractors expense.		
P54	Maintenance of Existing Services On, Under or Over the Site Establish the positions of, divert, protect, uphold and maintain all pipes, ducts, sewers, service mains, overhead cables etc. 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.		
P55	Permanent Connections Allow for co-ordination with service authorities for obtaining all permanent services connections.		

P56

Existing Nature

All existing trees, shrubs and vegetation immediately adjacent to or located on the site shall be protected by the Contractor as instructed by the Engineer. All costs for complying with this requirement shall be borne by the Contractor.

The removal of any trees, shrubs or vegetation required as a result of this Contract will not be carried out until the Engineers approval has been obtained.

Should any of the trees or shrubs to be retained be damaged in any way whatsoever, they shall be replaced by mature trees or shrubs of the same species at the Contractors expense.

Item

P57

Removing Rubbish and Cleaning the Works

The Contractor shall provide constantly available labour, transport and materials to maintain the cleanliness and tidiness of the site on a daily basis during the Contract.

The Contractor shall be responsible for clearing the site and work areas completely of all his temporary installations on completion of the Works, and shall be required to rake or grade the areas he has occupied to remove all traces of his occupation, and to leave the site as close to its original condition as possible.

Allow for final cleaning and making good of all work disturbed to the full satisfaction of the Engineer prior to handing over.

Allow for removal of rubbish from site on daily basis.

P58	Control of Noise and Pollution Allow for implementing adequate control of noise and pollution and for complying with all statutory requirements.		
P59	Safety, Health and Welfare of Workpeople Provide for all costs incurred by complying with all safety, health and welfare regulations appertaining to all workpeople (including those employed by Sub-Contractors) employed on the Site or elsewhere for the needs of this Contract. The Contractor is responsible to act in accordance with the Local Authorities current HSE regulations and future implementations. The Contractor shall carry out the Works in such a manner as to minimise any hazards to his labour force and shall carry out all reasonable directions by the Engineer pertaining thereto at his own expense.		

Item	Description	Quantity	Amount (FCFA)
P60	First Aid The Contractor shall provide a first aid post equipped and manned by a competent person suitably trained in administering first aid. The facility shall be clearly marked with a red crescent and clear lettering reading "FIRST AID" in English and the local language.		

KOICA CAMEROON

P61

Security against Fire

The Contractor shall take all precautions to prevent the outbreak of fire and shall provide adequate fire fighting appliances on site to the approval of the Engineer.

The Contractor shall also take all necessary precautions against fire as required by the insurance company insuring the Works.

The Contractor shall carry out the Works in such a manner as to minimise any hazards to his labour force and shall carry out all reasonable directions by the Engineer pertaining thereto at his own expense.

A no-smoking rule must be strictly enforced around the area used for storage of petrol and petroleum products and the Contractor will be required to provide all notices to ensure that the safety regulations are complied with regarding no-smoking and no naked lights within the area.

Particular care must be taken to cease all operations when petroleum spirit is being delivered to the premises, and to refrain from the use of metallic tools or any materials liable to cause sparking whilst spirit is being dispensed through the pumps or handled in any other way.

Item	Description	Quantity	Amount (F.CFA)

KOICA CAMEROON

P62

Accidents

All accidents shall be properly documented, reported to the Engineer and assistance given by way of medical help and transportation to hospital.

If any claim is made against the Contractor or any SubContractor on account of any accident, the Contractor shall promptly report the facts in writing to the Engineer giving full details of the claim.

P63

No Smoking Policy

The Contractor shall rigidly enforce a no smoking policy to all areas on site which shall apply to all site labour and supervisory staff.

P64

Labour Camps

A labour camp is not permitted on site. Watchman and security staff only may be accommodated.

P65

Limitation of Working Hours

Allow for complying with the relevant clause in the Conditions of Contract. The Contractor is to allow for any limitation on the use of noisy equipment during working hours by the approval of Employer or Engineer.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

P66	Excessive Weights The Contractor shall not load, nor permit any part of the structure to be loaded, with a weight that will endanger its safety.		

Item		Quantity	Amount (FCFA)
P67	Imported Materials The Contractor will be held entirely responsible for obtaining imported materials on Site in sufficient time to maintain the Contract programme.		
P68	Pumping and De-watering Allow for all necessary pumping or de-watering of the site as may be deemed necessary for the proper execution of the Works and as directed by the Engineer.		
P69	Drying the Works The Employer shall not be responsible for any costs resultant from inadequate drying and humidity controls at any stage of the Contract. The Contractor shall not be permitted to use existing services installations without first having obtained the permission of the Employers Representative in writing. Any costs that may arise from the Contractors use of such systems, including damage etc. to the plant, will be borne by the Contractor.		

P70	Security Restrictions Imposed by the Employer The Contractor and his agents are not permitted to advertise themselves, nor release for publication any information in connection with this project. The Tender documents and all information pertaining thereto, the Contract and all information pertaining thereto are governed by prevailing copyright laws of the project's country.		
	Carried to Summary		

KOICA CAMEROON


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
	CIVIL WORKS							
	SITE CIVIL WORKS							
	Earthwork							
1	Excavation (Machine); Common Soil / Small Scale	129.00	M3				-	-
2	Fill Placement; Compaction, Thickness 30cm	161.00	M3				-	-
3	Excavation for Ancillary Facilities; (90% Mechanical + 10% Manual) Common Soil	635.00	M3				-	-
4	Backfilling and Compaction for Ancillary Facilities; (90% Mechanical + 10% Manual) Common Soil	592.00	M3				-	-
	Stormwater Drainage Works							
5	PVC Pipe Rubber Ring Jointing and Laying; Ø300 mm	23.00	m				-	-
6	Double-Wall Pipe Foundation (Sand Bedding); Ø300 mm (180° Bedding)	23.00	m				-	-
7	Pipe Protection Concrete Placement; Ø300 mm	23.00	m				-	-
8	Catch Basin Installation; (450×450)	7.00	Nos				-	-
9	Catch Basin Installation; (800×800)	6.00	Nos				-	-
10	U-Type Drain Installation; 300×300 - Cover Included	206.00	m				-	-
11	U-Type Drain Installation; 500×500 - Cover Included	62.00	m				-	-
12	Sewer Pipe CCTV Inspection and Report Preparation Cost; New Pipe (L=520 m/day)	23.00	m				-	-
13	Pipe Marker Tape Installation; 10 cm	35.00	m				-	-
	Water Supply Works							
14	Impact-Resistant PVC Water Supply Pipe Laying and Jointing; (φ50×6.0 m)	5.00	Nos				-	-
15	Water Supply Pipe (Sand Bedding); Ø50 mm	25.00	m				-	-
16	Gate Valve Installation and Jointing; Manual; Φ50 mm	1.00	Nos				-	-

KOICA CAMEROON

17	Gate Valve Box Installation; D40–D50	1.00	Nos
18	Pipe Marker Tape Installation; 10 cm	38.00	m
	Demolition Works		
19	Structure Demolition (Plain Concrete); Large Type, Thickness <30 cm	14.00	M3
20	Structure Demolition (Reinforced Concrete); Large Type, Thickness <30 cm	24.00	M3

Item	Description		Unit
21	Sidewalk Block Demolition Using Equipment;	65.00	M2
22	Waste Loading Cost;	240.00	TON
	Ancillary Works		
23	Cement Hauling Cost; 40 kg/bag, Manual Loading + Unloading	29.00	bags
24	Rebar Hauling; Transport Cost (20-ton Trailer + 10-ton Crane)	[illegible]	TON
25	Heavy Equipment Mobilization / Transport Cost;	1.00	L.S
	Major Material Costs		
26	Sand; Delivered to Local Site	18.00	M3
27	Mixed Aggregate; Delivered to Local Site	144.00	M3
28	High-Rigidity PVC Double-Wall Pipe; 300 mm (Socket and Rubber Ring Included)	24.00	M
29	Gate Valve (For Water Supply); 50 mm	1.00	EA
30	Impact-Resistant Water Supply Straight Pipe (HI-3P); 50 × 6 m	30.00	M
31	Socket (HI-3R Pipe Fitting); 50 mm	5.00	SET
32	Ready-Mixed Concrete; 25-18-8(Mpa)	[illegible]	M3
33	Ready-Mixed Concrete; 25-21-12(Mpa)	8.00	M3
34	Ready-Mixed Concrete; 25-24-12(Mpa)	[illegible]	M3
35	Deformed Reinforcing Bar; D10 mm 0.560 kg/m	2.50	M/T

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

36	Deformed Reinforcing Bar; D13 mm 0.995 kg/m	3.38	M/T	-	-	-	-	-
37	Deformed Reinforcing Bar; D16 mm 1.560 kg/m	4.64	M/T	-	-	-	-	-
38	Deformed Reinforcing Bar; D19 mm 2.250 kg/m	1.61	M/T	-	-	-	-	-
39	Deformed Reinforcing Bar; D22 mm 3.040 kg/m	1.29	M/T	-	-	-	-	-
40	Ordinary Portland Cement; 40 kg/bag	29.00	bags	-	-	-	-	-
41	Sidewalk Paving Slab (Granite); 30×300×300 mm	20.00	M2	-	-	-	-	-
42	Small High-Strength Concrete Paver Block, U-Type; T=80 mm, Brown	755.00	M2	-	-	-	-	-
43	Concrete Road Curb 150×150×1000 (Curb Included)	315.00	Nos	-	-	-	-	-
	EARTH RETAINING WORKS							
	Earthwork							

Item	Description	Qty	Unit	Material	Labor	Expense	Rate	Unit Rate	Amount (FCFA)
44	Structure Excavation; (100% Mechanical) Common Soil	4,244.00	M3	-	-	-	-	-	-
45	Structure Backfilling and Compaction; (Using Heavy Equipment) Common Soil	592.00	M3	-	-	-	-	-	-
46	Surplus Soil Hauling; Common Soil	4,554.00	M3	-	-	-	-	-	-
47	Imported Fill Hauling; Common Soil	810.00	M3	-	-	-	-	-	-
	Earth Retaining Works								
	1 Wall Construction								
48	Drilling Equipment Assembly and Dismantling;	1.00	Time	-	-	-	-	-	-
49	Soil Drilling; H<10.0 m (Casing and Insertion Included)	75.00	holes	-	-	-	-	-	-
50	H-Pile Extraction; SIDE PILE	75.00	Nos	-	-	-	-	-	-
51	Lagging Board Installation and Removal; T=8 cm (Less than 6 Months - Materials Included)	219.00	M2	-	-	-	-	-	-
	2 Water Works								
52	Water Installation and Removal; Based on 10.0 m	65.00	M	-	-	-	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

53	Waler Corner Connection; H-300×300×10×15	10.00	Nos	-	-	
54	Beam Bracket Installation and Removal;	27.00	Nos	-	-	
55	Stiffener Installation;	24.00	Nos	-	-	
	3 Strut Works					
56	Strut Installation and Removal; (H=250–500, 5.0 m or Less)	6.00	Nos	-	-	
57	Corner Strut-to-Waler Connection and Removal; H-300×300×10×15 (1 Location, Both Directions)	6.00	Nos	-	-	
	Ancillary Works					
	1. Hauling Works					
58	Steel Member Hauling; Transport Cost (20ton Trailer + 10-ton Crane)	44.28	TON	-	-	
	2. Instrumentation Monitoring					
59	Inclinometer: 3 locations	3.00	Nos	-	-	
60	Surface Settlement Gauge; 12 locations (3 ea per 4 locations)	12.00	Nos	-	-	
	3. Drilling and Grouting					
61	Inclinometer;	3.00	Nos	-	-	
	4. Data Analysis and Report Preparation					
62	Data Analysis; 1 time/week	2.00	Months	-	-	

Item	Description					
63	Report Preparation; Weekly Report / Monthly Report	2.00	Months	-	-	
64	Report Preparation; Final Report	1.00	Nos	-	-	
	Major Material Costs					
	1) Rental Charge					
65	H-Pile Rental Charge (15%) - 3 Months; 300×200×9×14	36.88	TON	-	-	
66	H-Pile Rental Charge (15%) - 3 Months; 300×300×10×15	7.40	TON	-	-	
	Waste Disposal Cost					

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

67	Waste Disposal Cost; Waste Concrete	240.00	TON	-	-
68	Waste Hauling Cost; 30.0km	240.00	TON	-	-
	Carried to Summary				-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

	Description			Base Rate	Unit Rate	Amount (FCFA)
	PAVEMENT WORKS					
	1) Asphalt Concrete Pavement					
1	Sidewalk Concrete Paver Block Installation (Small High-Strength Block); t=8.0 cm (Sand Bedding Included)	726.00	M2		-	-
2	Sidewalk Paving Slab Installation (Granite Slab); t=8.0 cm (Sand Bedding Included)	20.00	M2		-	-
3	Lean Concrete Base Course Placement; General Pavement	94.00	M3		-	-
4	Wire Mesh Laying; #8×150×150 (Wire Mesh Included)	624.00	M2		-	-
5	Subbase Course / Machine Placement (Mainline); t=20 cm	112.00	M3		-	-
	2) Road Facilities					
6	Concrete Road Curb; 150×150×1000 (Curb Included)	303.00	m		-	-
	3) Road Marking					
7	Road Line Marking (Thermoplastic, Manual) - Unopened Section; White - Solid Line	17.00	m2		-	-
8	Parking Wheel Stop; 750×150×120 mm (Block Included)	10.00	EA		-	-
	4) Boundary Wall Installation					
9	Concrete Block Laying (150×200×400); Double-Sided Finish (Mortar Application, Blocks Included)	65.00	M2		-	-
10	Ready-Mixed Concrete Placement / Equipment Used; Plain Concrete Structure	2.00	M3		-	-
11	Plywood Formwork (1-Time Use); Vertical Height 0–7 m	15.00	M2		-	-
12	Anchor-Fixed Railing Installation; Railing Included	62.00	M		-	-
	Structural Works					
	1. Inverted L-Type Retaining Wall					

KOICA KOREA INTERNATIONAL COOPERATION AGENCY Design Group Five KOICA CAMEROON

13	Reinforced Concrete Placement by Pump Truck; 8–12 cm	[illegible]	M3	-	-	-	-
14	Plain Concrete Placement by Pump Truck; 8–12 cm	[illegible]	M3	-	-	-	-
15	Rebar Fabrication and Assembly (On Site); Standard	8.84	TON	-	-	-	-
16	Plywood Formwork (4-Time Use); Vertical Height 0–7 m	[illegible]	M2	-	-	-	-
17	Plywood Formwork (6-Time Use); Vertical Height 0–7 m	[illegible]	M2	-	-	-	-

Item	Description			Labor Rate	Expense Rate	Unit Rate	Amount (XOF A)
18	Steel Pipe Scaffolding; Height ≤10 m - 3-Month Use	[illegible]	M2			-	-
19	PVC Pipe (General Purpose VG1); 100 mm × 6.6T × 4 m	[illegible]	M			-	-
20	Drainage Board Installation; For Retaining Wall Drainage	[illegible]	M2			-	-
21	Nonwoven Geotextile Installation;	[illegible]	M2			-	-
22	Rebar Spacer; For Floor and Slab	[illegible]	M2			-	-
23	Rebar Spacer; For Wall	[illegible]	M2			-	-
24	Expansion Joint; (Styrofoam, T=20 mm)	[illegible]	M2			-	-
25	Contraction Joint Installation; V-Cutting and Sealant Finish	[illegible]	M			-	-
26	Dowel Bar Installation (For Retaining Wall); (D32×1000)	[illegible]	ea			-	-
27	Expansion Joint Filler; Pine Board	[illegible]	m			-	-
28	Waterproofing Materials	[illegible]	m			-	-
	2. L-Type Retaining Wall						
29	Reinforced Concrete Placement by Pump Truck; 8–12 cm	[illegible]	M3			-	-
30	Plain Concrete Placement by Pump Truck; 8–12 cm	[illegible]	M3			-	-
31	Rebar Fabrication and Assembly (On Site); Standard	[illegible]	TON			-	-
32	Plywood Formwork (4-Time Use); Vertical Height 0–7 m	[illegible]	M2			-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

33	Plywood Formwork (6-Time Use); Vertical Height 0–7 m	[illegible]	M2			-	-
34	Steel Pipe Scaffolding; Height ≤10 m - 3-Month Use	[illegible]	M2			-	-
35	PVC Pipe (General Purpose VG1); 100 mm × 6.6T × 4 m	[illegible]	M			-	-
36	Drainage Board Installation; For Retaining Wall Drainage	[illegible]	M2			-	-
37	Nonwoven Geotextile Installation;	[illegible]	M2			-	-
38	Rebar Spacer; For Floor and Slab	[illegible]	M2			-	-
39	Rebar Spacer; For Wall	[illegible]	M2			-	-
40	Expansion Joint; (Styrofoam, T=20 mm)	[illegible]	M2			-	-
41	Contraction Joint Installation; V-Cutting and Sealant Finish	[illegible]	M			-	-
42	Dowel Bar Installation (For Retaining Wall); (D32×1000)	[illegible]	ea			-	-
43	Expansion Joint Filler; Pine Board	[illegible]	m			-	-

Item	Description	Qty	Unit	Material	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
44	Water-Swelling Waterstop	[illegible]	m				-	-
	Carried to Summary							-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Qty	Unit	Mat'l	Labor Rate + Expense Rate	Unit Rate	Amount (US$)
	ARCHITECTURAL WORKS						
	STRUCTURAL WORKS						
	Blind Concrete						
		6.60					
1	Blind Concrete for PIT		m3		-		-
2	Blind Concrete for Foundation	44.82	m3		-		-
3	Blind Concrete for Maintenance Shop	2.16	m3		-		-
	Concrete; C25/30 (Fck=25MPa) Material and Placing						
	Foundation						
4	Foundation	880.41	m3		-		-
	Slab						
5	Slab	417.06	m3		-		-
	Beam						
6	Beam (Incl. Girder, WallGider)	280.99	m3		-		-
	Column						
7	Column	91.56	m3		-		-
	Wall						
8	Wall (incl. Parapet)	659.35	m3		-		-
	Stair						
9	Stair (incl. Outdoor Stair)	45.22	m3		-		-
	WP Wall						
10	THK100 Curb(FL+500) incl. any necessary works (for Oil Trench)	2.84	lm		-		-
11	THK150 Curb(FL+100) incl. any necessary works (for WaterProofing Wall)	287.44	lm		-		-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
	Equipment Pads							
12	Equipment Pads	21.88	m3				-	-
	Formwork; Installation and Dismantling							
	Foundation							
13	Steel panel formwork for footing	493.24	m2				-	-
	Slab							
14	Plywood formwork (4-time use)	2,234.84	m2				-	-
	Beam							
15	Plywood formwork (3-time use)	1,825.61	m2				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

No.	Description	Qty	Unit	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
16	Steel panel formwork for beam	86.30	m2			-	-
	Column						
17	Steel panel formwork for column	609.38	m2			-	-
18	Circular formwork, Dia. 500mm	25.34	m2			-	-
	Wall						
19	Steel panel formwork for Wall (incl. Parapet)	6,585.41	m2			-	-
	Stair						
20	Plywood formwork (3-time use, incl. Outdoor Stair)	305.54	m2			-	-
	Misc. Works (Equipment Pads)						
21	Plywood formwork (2-time use)	58.66	m2			-	-
	Steel Reinforcement Bar(fy 500MPa); Material and Installation						
	Foundation						
22	D12	699.52	kg			-	-
23	D16	4,339.57	kg			-	-
24	D20	4,163.67	kg			-	-
25	D25	159,974.17	kg			-	-
	Slab						
26	D10	21,012.19	kg			-	-
27	D12	27,513.93	kg			-	-
28	D14	14,594.42	kg			-	-
	Beam						
29	D10	12,595.70	kg			-	-
30	D16	282.15	kg			-	-
31	D20	242.96	kg			-	-
32	D25	75,520.79	kg			-	-
	Column						
33	D10	3,119.22	kg			-	-
34	D25	23,828.17	kg			-	-
	Wall						

Design: GHAU Corporation
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA CAMEROON

Item	Description	City	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
35	D10	33,769.10	kg				-	-
36	D12	12,500.02	kg				-	-
37	D14	17,401.34	kg				-	-
38	D16	5,394.67	kg				-	-
39	D20	3,384.67	kg				-	-
40	D22	10,850.23	kg				-	-
	Stair (incl. Outdoor Stair)							
41	D14	8,722.85	kg				-	-
	Misc. Works (Equipment Pads)							
42	D10	202.57	kg				-	-
43	D14	1,760.27	kg				-	-
44	D20	349.56	kg				-	-
	Spacer							
45	Spacer (90,100) - Foundation	1,024.00	EA				-	-
46	Spacer (20,30,40) - Slab,Stair,Beam	4,782.00	EA				-	-
47	Spacer (Plastic, 20-D10-14) - Coulumn,Wall	2,915.00	EA				-	-
48	Spacer (Saperator,200mm) - Wall	3,971.00	EA				-	-
	Structural Steel; Material and Installation including connections, stud bolts, embeded plates and painting							
49	SB1 - IPE140 (H 140x73x4.7x6.9)	385.37	kg				-	-
50	SCB1 - IPE300 Tapered (H 300-150x150x7.1x10.7) incl. connections, stud bolts and embeded plate	173.24	kg				-	-
51	SCG1 - IPE300 Tapered (H 300-150x150x7.1x10.7) incl. connections, stud bolts and embeded plate	259.79	kg				-	-
52	SHC1 - OD 48.3mm (D48.3x 2.3T) incl. connections, stud bolts and embeded plate	86.30	kg				-	-
53	High-Strength Bolt M16 x 45L (F10T)	116.00	EA				-	-
54	High-Strength Bolt M16 x 50L (F10T)	11.00	EA				-	-
55	High-Strength Bolt M20 x 55L (F10T)	21.00	EA				-	-
56	Stud Bolt M19 L=110	42.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
	FACADE AND ROOFING WORKS							
	External Finishes at Elevations; Material and Installation including fixtures, flashings and etc where necessary							
		551.76						
		1,556.24						
		81.11						
		274.85						
57	Textured Paint Coating (TYPE A)	22.34	m2				-	-
58	Textured Paint Coating (TYPE B)		m2				-	-
59	Textured Paint Coating (TYPE B) - for Maintenance Shop	29.09	m2				-	-
60	AL. Louvered Panel		m2				-	-
61	AGF-1; AL Grill, H=910	19.43	m2				-	-
62	AGF-1; AL Louver, AL Horizontal Louver (150x50)@200 including AL Vertical Bar(90x150)	29.09	m2				-	-
63	AGF-2; AL Grill, H=910		m2				-	-
64	AGF-2; AL Louver, AL Horizontal Louver (150x50)@200 including AL Vertical Bar(90x150)	19.43	m2				-	-
65	AGF-3; AL Grill, H=910		m2				-	-
66	AGF-3; AL Louver, AL Horizontal Louver (150x50)@200 including AL Vertical Bar(90x150)	28.01	m2				-	-
67	AGF-4; AL Grill (850mm X 910mm)	2.00	set				-	-
68	AGF-5; AL Grill (12850mm X 910mm)	3.00	set				-	-
69	AGF-6; AL Grill (850mm X 910mm)	1.00	set				-	-
70	AGF-7; AL Horizontal Louver (1200mm X 2700mm)	3.00	set				-	-
71	AG-1; AL Grill (4950mm X 700mm)	1.00	set				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

72	AG-2; AL Grill (2400mm X 3400mm)	1.00	set					-	-
73	AG-3; AL Grill (3000mm X 3400mm)	7.00	set					-	-
74	AG-4; AL Grill (3000mm X 2550mm)	1.00	set					-	-
75	AG-5; AL Grill (3000mm X 2800mm)	1.00	set					-	-
76	AG-6; AL Grill (1950mm X 2800mm)	1.00	set					-	-
77	AG-7; AL Grill (3000mm X 3700mm)	1.00	set					-	-
78	AG-8; AL Grill (1530mm X 1100mm)	2.00	set					-	-
79	AG-9; AL Grill (765mm X 1100mm)	1.00	set					-	-
80	AG-10; AL Grill (1300mm X 2000mm)	1.00	set					-	-
81	AG-11; AL Grill (1300mm X 2400mm)	1.00	set					-	-
82	AG-12; AL Grill (1000mm X 700mm)	4.00	set					-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (USD)
83	AG-13; AL Grill (1015mm X 300mm)	2.00	set				-	-
84	AG-14; AL Grill (1015mm X 700mm)	1.00	set				-	-
85	AG-15; AL Grill (1200mm X 2200mm)	3.00	set				-	-
86	AG-16; AL Grill (1500mm X 500mm)	4.00	set				-	-
87	AW-1; Shutter Glass (10T Tempered Glass) - 750mm X 1200mm; All Accessories and Hardware Included, Including Fixed Type Insect Screen	12.00	set				-	-
88	AW-2; Double Leaf Glass Window (10T Tempered Glass) - 1500mm X 1600mm; All Accessories and Hardware Included, Including Fixed Type Insect Screen	1.00	set				-	-
89	AW-3; Shutter Glass w/ Project Door (10T Tempered Glass) - 1450mm X 1400mm; All Accessories and Hardware Included, Including Roll-Up Insect Screen	1.00	set				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

DESIGN GROUP FIVE

90	AW-4; Shutter Glass w/ Project Door (10T Tempered Glass) - 2000mm X 1800mm; All Accessories and Hardware Included, Including Roll-Up Insect Screen	7.00	set	-	-	
91	AW-5; Shutter Glass w/ Project Door (10T Tempered Glass) - 1500mm X 1800mm; All Accessories and Hardware Included, Including Roll-Up Insect Screen	20.00	set	-	-	
92	AW-6; Shutter Glass w/ Project Door (10T Tempered Glass) - 1000mm X 1800mm; All Accessories and Hardware Included, Including Roll-Up Insect Screen	6.00	set	-	-	
93	AW-7; Shutter Glass (10T Tempered Glass) - 1000mm X 1200mm; All Accessories and Hardware Included, Including Fixed Type Insect Screen	2.00	set	-	-	
94	AW-8; Shutter Glass (10T Tempered Glass) - 1500mm X 600mm; All Accessories and Hardware Included, Including Fixed Type Insect Screen	1.00	set	-	-	
95	AW-9; Glass Window w/ Project Door (10T Tempered Glass) - 1800mm X 1500mm; All Accessories and Hardware Included, Including Fixed Type Insect Screen	1.00	set	-	-	
96	AW-10; Double Leaf Glass Door Set (2000mm X 2200mm)	1.00	set	-	-	
97	AW-11; Double Leaf Glass Door Set (1800mm X 2200mm)	1.00	set	-	-	
98	AW-12; Single Leaf Glass Door Set (1100mm X 2200mm)	1.00	set	-	-	

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

99	AW-13; Single Leaf Glass Door Set (1000mm X 2200mm)	2.00	set	-	-
100	ASD-1; Auto Sliding Door Set (2700mm X 2700mm); SST Frame, 10T Tempered Glass	2.00	set	-	-
101	Handrail at Bridge (Type 3, Flat Bar Railing), H=1200	7.37	m	-	-
102	Handrail at Balcony (Type 3, Flat Bar Railing), H=1200	7.50	m	-	-
103	Handrail at External Stair (Type 3, Flat Bar Railing), H=900	12.17	m	-	-
104	Canopy, 1500mm X 900mm, THK150	1.00	set	-	-
105	AL. Sheet Panel (Canopy)/A51-003	75.59	m2	-	-
106	AG-17; AL Grill (2400mm X 3700mm)	1.00	set	-	-
107	AG-18; AL Grill (1850mm X 2800mm)	1.00	set	-	-
108	AG-19; AL Grill (1500mm X 600mm)	2.00	set	-	-
109	Handrail at Bridge (Type 4, External Railing), H=1200	63.82	m	-	-
110	Canopy, 1900mm X 900mm, THK150	1.00	set	-	-
111	Canopy, 3150mm X 900mm, THK150	1.00	set	-	-
112	Concrete Surface Finishing(EXT.Wall)	1,949.57	m2	-	-
113	Concrete Surface Finishing(EXT.Ceiling)	158.44	m2	-	-
	Roof Finishes				
114	Roof Cladding, THK0.6 Galvanized Steel Sheet (Real Zink) including purlins, posts fixing to roof, anchors and other accessories necessary	375.69	m2	-	-
115	Roof Cladding, THK0.6 Galvanized Steel Sheet (Real Zink) including purlins, posts fixing to roof, anchors and other accessories necessary - for Maintenance Shop	45.19	m2	-	-
116	Roof Flooring; THK20 Waterproof Protection Material (excl. Waterproofing membrane), THK130 Plain Concrete (Power Trowel Finish or Steel Trowel Finish) including Waterproof Protection Flashing at edge	576.70	m2	-	-
117	Finishing Joint (1000 X 1000) at 2F	214.41	m	-	-
118	Finishing Joint (1000 X 1000) at Roof Plan	702.18	m	-	-
119	Expansion Joint (3000 X 3000) at Roof Plan	351.66	m	-	-

KOICA INTERNATIONAL COOPERATION AGENCY
KOICA CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
		214.20						
120	Finishing Joint (1000 X 1000) at Roof Top Plan	116.00	m				-	-
121	Expansion Joint (3000 X 3000) at Roof Top Plan		m				-	-
122	Expansion Joint (3000 X 3000) at 2F	129.39	m				-	-
	Roof Drainage							
		286.72						
123	Open Trench	4.35	m				-	-
124	Grating Cover Trench		m				-	-
125	Gutter Installation at Main Canopy (250 X 100)	13.15	m				-	-
126	D125 RD (Rain Drain) refer to details	11.00	EA				-	-
127	D125 FD (Rain Drain) refer to details		EA				-	-
128	D125 SST. Downspout at 2F	8.00	set				-	-
129	D125 SST. Downspout (drain to exterior floor) at GF		set				-	-
130	D125 SST. Downspout (canopy-drain to exterior floor)	2.00	set				-	-
		2.00						
		2.00						
	INTERNAL ARCHITECTURAL WORKS							
	Masonry							
131	Block Wall		m2				-	-
132	Lintel Size W=1250	2,417.83	EA				-	-
133	Lintel Size W=1400	4.00	EA				-	-
134	Lintel Size W=1500	29.00	EA				-	-
135	Lintel Size W=1600		EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

136	Lintel Size W=1700	32.00	EA	-	-	-	-	-
137	Lintel Size W=2500		EA	-	-	-	-	-
138	Lintel Size W=3200	5.00	EA	-	-	-	-	-
139	Lintel Size W=3540		EA	-	-	-	-	-
		5.00						
		8.00						
		16.00						
		3.00						
	Doors & Hardware							
	Windows							
140	SSW-1; Stainless Steel Window; 10T Tempered Glass - 1850mm X 1000mm	1.00	set	-	-	-	-	-
141	SSW-2; Stainless Steel Window; 10T Tempered Glass - 2800mm X 1000mm	1.00	set	-	-	-	-	-
	Doors							
142	Auto Sliding Door - ASD1 & ASD2; 2700mm X 2500mm	10.00	set	-	-	-	-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (USD)
143	Auto Sliding Door - ASD3; 2640mm X 2500mm	3.00	set	-	-	-	-	-
144	Auto Sliding Door - ASD3; 3040mm X 2500mm	3.00	set	-	-	-	-	-
145	Double Door - D1; 2000mm X 2200mm	7.00	set	-	-	-	-	-
146	Hanger Door - H1; 2700mm X 2500mm	2.00	set	-	-	-	-	-
147	Hanger Door - H2; 2840mm X 2500mm	3.00	set	-	-	-	-	-
148	Single Door - S1; 1000mm X 2200mm	28.00	set	-	-	-	-	-
149	Single Door - S1; 1100mm X 2200mm	4.00	set	-	-	-	-	-
150	Single Door - S1; 1200mm X 2200mm	3.00	set	-	-	-	-	-
151	Single Door - S1; 900mm X 2200mm	8.00	set	-	-	-	-	-
152	Single Door - S2; 1000mm X 2200mm	5.00	set	-	-	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

153	Single Door - S4; 750mm X 2200mm	4.00	set				-	-
154	Single Door - S4; 800mm X 2200mm	2.00	set				-	-
155	Single Door - S4; 900mm X 2200mm	17.00	set				-	-
	Fire rated Doors							
156	Double Door - D1; 2000mm X 2200mm	3.00	set				-	-
157	Double Door - D3; 1800mm X 2200mm	1.00	set				-	-
158	Single Door - S1; 1100mm X 1800mm	1.00	set				-	-
159	Single Door - S1; 1100mm X 2200mm	11.00	set				-	-
160	Single Door - S1; 900mm X 2200mm	1.00	set				-	-
161	Single Door - S5; 450mm X 450mm	1.00	set				-	-
162	Single Door - S5; 900mm X 2100mm	11.00	set				-	-
163	Single Door - S5; 900mm X 1800mm	1.00	set				-	-
164	Double Door - D1; 2400mm X 2200mm	2.00	set				-	-
	Hardware							
165	BOTTOM RAIL DEAD LOCK; HAFELE; 911.22.771	7.00	set				-	-
166	BUTT HINGE 4.5"*4.0"; HAFELE; 926.98.110	109.00	set				-	-
167	BUTT HINGE 5.0"*4.0"; HAFELE; 926.98.140	228.00	set				-	-
168	DOOR CLOSER; HAFELE; 931.16.859	44.00	set				-	-
169	DOOR COORDINATOR; HAFELE; 931.99.930	12.00	set				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
170	DOOR STOP; HAFELE; 937.13.530	15.00	set				-	-
171	DUMMY TRIM; HAFELE; 903.92.596	12.00	set				-	-
172	DUST PROOF STRIKE; HAFELE; 911.62.064	19.00	set				-	-

KOICA CAMEROON

173	ESCUTCHEON; HAFELE; 902.52.930	61.00	set
174	EURO PROFILE CYLINDER; HAFELE; 916.95.426	61.00	set
175	EXIT DEVICE; HAFELE; 911.56.036	12.00	set
176	FLOOR HINGE; HAFELE; 932.10.051	7.00	set
177	FLOOR HINGE; HAFELE; 932.10.130	7.00	set
178	FLOOR HINGE; HAFELE; 932.10.270	7.00	set
179	FLOOR HINGE; HAFELE; 932.10.400	7.00	set
180	FLOOR HINGE; HAFELE; 932.10.589	7.00	set
181	FLOOR STOP; HAFELE; 937.55.140	92.00	set
182	FLUSH BOLT 12"; HAFELE; 911.81.168 + 911.81.16x	24.00 26.00	set
183	FLUSH RING; HAFELE; 902.00.590	7.00	set
184	HANDLE; HAFELE; 903.05.792	32.00	set
185	MORTISE CYLINDER; HAFELE; 916.65.650		set
186	MORTISE DEAD LOCK; HAFELE; 911.02.153 + 903.92.596	76.00	set
187	MORTISE DEAD LOCK; HAFELE; 911.23.615		set
188	MORTISE LOCKSET/PRI; HAFELE; 911.02.153 + 903.92.596	13.00	set
189	PUSH PULL PLATE; HAFELE; 987.11.610 + 987.11.510	15.00 8.00	set
190	SPRING HINGE 4.5"*4.0"; HAFELE; 926.35.003	26.00	set
191	TURN & INDICATOR; HAFELE; 902.53.204	15.00	set
	Waterproofing		
192	Infiltration Liquid Waterproofing -Horizontal	794.08	m2
193	Infiltration Liquid Waterproofing Vertical		m2
194	Asphalt Sheet Waterproofing - Horizoontal	307.33	m2
195	Asphalt Sheet Waterproofing -Vertical		m2

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group FIVE
KOICA
CAMEROON

		318.85			
		302.50			
196	Waterproofing Corner Reinforcement	358.68	m	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
197	Waterproof Mortar Rendering / Floor (Trench)	1.43	m				-	-
198	Waterproof Mortar Rendering / Wall (Trench)	2.09	m				-	-
199	Protective Mortar Finish	34.95	m2				-	-
200	Waterproof Protection Flashing(Incl. Insulation)	220.13	m				-	-
201	SILICONE SEALANT(TRIANGULAR, 10 mm, AROUND WINDOW AND DOOR FRAMESTRIANGULAR, 10 mm, AROUND WINDOW AND DOOR FRAMES)	3,706.94	m				-	-
202	SILICONE SEALANT(TRIANGULAR, 10 mm, Anti-fungal)	94.32	m				-	-
203	Urethane-based Sealant Caulking(20*20)/A81-003	28.00	m				-	-
204	Urethane-based Sealant Caulking(50*50)/A81-003	15.40	m				-	-
	Internal Finishes							
205	**Floor Finishes**		m2				-	-
206	THK100 Plain Concrete (Power Trowel Finish)	366.99	m2				-	-
207	EPOXY COATING including Cement Mortar refer to Interior Finish Detail F01 (excl. Waterproofing in this item)	275.85	m2				-	-
208	EPOXY LINING including Cement Mortar refer to Interior Finish Detail F01 (excl. Waterproofing in this item)	13.64	m2				-	-
	NON- SLIP CERAMIC TILE including Cement Mortar refer to Interior Finish Detail							

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
209	F05 (excl. Waterproofing in this item)		m2				-	-
210	THK12 PORCELAIN TILE including Cement Mortar refer to Interior Finish Detail F04	103.17	m2				-	-
211	THK25 TERRAZZO TILE including Cement Mortar refer to Interior Finish Detail F06		m2				-	-
212	THK3 CONDUCTIVE VINYL SHEET including Cement Mortar refer to Interior Finish Detail F03	776.61	m2				-	-
213	THK3 VINYL SHEET including Cement Mortar refer to Interior Finish Detail F03	329.11	m2				-	-
	THK3 VINYL TILE including Cement Mortar refer to Interior Finish Detail F03	111.34						
		667.58						
		156.09						
214	Granite(THK30, Bush-Hammered Finish)including Cement Mortar refer to Interior Finish Detail F06	9.54	m2				-	-
215	Power Trowel Finish	318.85	m2				-	-
216	Hand Trowel Finish	148.07	m2				-	-
	Skirting							
217	ACRYLIC PAINT	1,474.41	m				-	-
218	ROLLING UP VINYL SHEET	62.01	m				-	-
	Wall Finishes							

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
		445.48						
	CERAMIC TILE including Cement Mortar refer to Interior Finish Detail W04 (excl. Waterproofing in this item)							
219	EMULSION PAINT including 10T Plastering (Cement Mortar) refer to Interior Finish Detail W02 (excl. Waterproofing in this item)	2,055.21	m2				-	-
	GLASS WOOL / GLASS CLOTH							
220	SGP PANEL	248.90	m2				-	-
221		193.28	m2				-	-
222			m2				-	-
223	EMULSION PAINT including 15T Plastering(Cement Mortar) refer to Interior Finish Detail W02(excl.Waterproofing in this item)	1,862.38	m2				-	-
224	Brush application of anti-corrosive paint(Door frame surfaces)	130.77	m2				-	-
225	Brush application of ready-mixed paint(Door frame surfaces)	130.77	m2				-	-
226	Concrete Surface Finishing(INT.Wall)	584.38	m2				-	-
227	Concrete Surface Preparation(INT.Wall)	158.59	m2				-	-
228	Concrete Surface Preparation(EXT.Wall)	116.37	m2				-	-
229	Cement Mortar Rendering (Inside Ceiling Space)	247.41	m2				-	-
230	Cement Mortar Rendering (Substrate First Coat)	196.00	m2				-	-
231	MORTAR PLASTERING(INT.Wall)	265.57	m2				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
	Ceiling Finishes							
		491.66						
232	EMULSION PAINT refer to Interior Finish Detail C02		m2				-	-
233	GLASS WOOL / GLASS CLOTH	112.63	m2				-	-
234	SGP PANEL refer to Interior Finish Detail C05		m2				-	-
		111.34						
235	THK0.4 METAL PANEL refer to Interior Finish Detail C03	1,554.53	m2				-	-
236	MORTAR PLASTERING(Ceiling)	491.66	m2				-	-
237	Concrete Surface Finishing(INT.Ceiling)	124.11	m2				-	-
	Metal Works							
		3.80						
238	Oil Trench (200x100) refer to detail A81-001	6.65	m				-	-
239	Shower Room SST Trench (100x60)		m				-	-
240	Handrail Type 1 - Wall Mounted at Staircases	104.65	m				-	-
241	Handrail Type 2 - Staircase		m				-	-
242	Handrail Type 3 - Flat Bar Railing	118.51	m				-	-
243	Expansion Joint - at Bridge (vertical & horizontal)	4.80	m				-	-
		16.20						
244	Wire Mesh	359.80	m2				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
245	INSTALLATION OF STAINLESS STEEL LADDER(400*1500)	2.00	ea				-	-
246	Recessed lighting box/A72-101	5.20	m				-	-
247	Stainless Steel Divider Strip Installation(Floor, W=40, Toilet, Shower Rm.)	19.35	m				-	-
248	Stainless Steel Divider Strip Installation(Floor, W=15, Others)	61.28	m				-	-
249	Curtain Box(A-Type)/A81-005	61.28	m				-	-
250	Curtain Box(B-Type)/A81-005	2.03	m				-	-
251	AL Molding	1,535.73	m				-	-
252	Installation of Base Bead(AL.)	1,411.06	m				-	-
253	Plaster Internal Corner Bead Installation	872.73	m				-	-
254	External Plaster Corner Bead Installation	346.40	m				-	-
255	Plaster Internal Corner Bead Installation(RC+Block)	352.23	m				-	-
256	Joint Bead Installation	131.65	m				-	-
257	Tile Corner Bead Installation	47.50	m				-	-
	Medical Handrails & Curtain Tracks							
258	Curtain Track	133.33	m				-	-
259	IV Track	88.33	m				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

No.	Description	Qty	Unit	Labour Rate	Expense Rate	Unit Rate	Amount (US$)

Design Group Five
KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount(US$)
		42.00						
260	Bed Bumper	156.36	EA				-	-
261	Bumper Handrail		m				-	-
262	Bumper Handrail + Bumper Railing	34.55	m				-	-
263	Corner Guard	35.00	EA				-	-
264	Door Protect	31.22	EA				-	-
	Toilet Accessories							
265	Cubicle; 0.8mm HPM on 18mm waterproof particle board(PB)	9.00	set				-	-
266	THK30 Stone Tile Urinal Ledge	12.75	m				-	-
267	Toilet Paper Holder	26.00	EA				-	-
268	Paper Towel	21.00	EA				-	-
269	Urinary Bowl Partition	1.00	EA				-	-
		26.00						
270	Door Holder and Clothes Hanger	2.15	EA				-	-
271	Wash Basin Artificial Marble Top (single)	3.05	EA				-	-
272	Wash Basin Artificial Marble Top (double)		EA				-	-
273	Toilet Grab Bar	19.00	set				-	-
274	Mirror THK5 Moisture-proof Mirror W=1015	2.00	EA				-	-
275	Mirror THK5 Moisture-proof Mirror (500/600x700/800)	24.00	EA				-	-
276	Child Support Stand	2.00	EA				-	-
277	Shower Booth	5.00	EA				-	-
278	Mirror THK5 Moisture-proof Mirror W=1525	2.00	EA				-	-
	Furniture (NS)							

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

DESIGN GROUP FIVE

279	NS Desk Set at ER (G107)	1.00	EA	-	-	
280	NS Desk Set at Prep. Recovery Room (106)	1.00	EA	-	-	
281	NS Desk Set at ICU/HCU (203)	1.00	EA	-	-	
282	NS Desk Set at NS Prep. Area #1 (313)	1.00	EA	-	-	
283	NS Desk Set at NS Prep. Area #2 (317)	1.00	EA			
	Lab Cabinet (Surgery Room)					
284	OCA: OR CABINET; 1200x500x2250	3.00	EA	-	-	
	Internal Signages					
285	N01 - Floor Derectory Signage (Wallmounted)	5.00	EA	-	-	

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

286	N02 - Department Signage (Wall-mounted)	3.00	EA	-	-	-
287	N04 - Room Name Signage (Wall-mounted) -1	59.00	EA	-	-	-
288	N05 - Room Name Signage (Wall-mounted) -2	5.00	EA	-	-	-
289	N06 - Room Name Signage (Wall-mounted) -3	10.00	EA	-	-	-
290	N07 - Room Name Signage (Wall-mounted) -4	6.00	EA	-	-	-
291	N08 - Room Name Signage (Wall-mounted) -5	6.00	EA	-	-	-
292	N09 - Room Name Signage (Wall-mounted) -6	11.00	EA	-	-	-
	OTHERS					
	Elevator					
293	ELEV-1, Inpatient's, Capacity 1,850kg/24 person, Speed=1.6m/s, from GF to 4F	1.00	Set	-	-	-
294	ELEV-2, Visitor's, Capacity 1,600kg/21 person, Speed=1.6m/s, from GF to 4F	1.00	Set	-	-	-
	Septic Tank System					
295	Septic Tank System	1.00	L/S	-	-	-
	Gates					
296	GATE-1 as per A86-001	1.00	Set	-	-	-
297	GATE-2 as per A86-001	1.00	Set	-	-	-
	ETC.					
298	Waterstop Installation	76.95	m	-	-	-
299	Elevator Hook	2.00	EA	-	-	-
300	Urethane Foam Filling	1,827.42	m	-	-	-
301	POLYURETHANE FOAM FILLING AROUND ELEVATOR	60.50	m	-	-	-
302	Installation of vapor barrier film (PE film) - Floor	875.54	m2	-	-	-
303	Carbonized Cork/A81-003	28.02	m2	-	-	-
304	Chamfering for Equipment Pad Corner(15*15)	208.00	m	-	-	-
305	Install Water Stop Groove/A33-001	234.76	m	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

DESIGN GROUP FIVE

Item	Description	Quantity	Unit	Labour Rate	Expense Rate	Unit Rate	Amount (US$)
	Carried to Summary						-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

EMERGENCY MEDICAL SERVICE CENTER IN CAMEROON

DESIGN GROUP FIVE

Item	Description	Qty	Unit	Material Rate	Labour Rate	Equipment Rate	Unit Rate	Amount (FCFA)
	LADSCAPE WORKS							
	Softscape							
1	TREES; T-01 - Azadirachta indica; Prefered Height 7m	1.00	Nos				-	-
2	SHRUBS: S-01 - Asystasia gangetica; Prefered Height 0.3m	0.90	m2				-	-
3	SHRUBS: S-02 - Philodendron Burle Marx; Prefered Height 0.6m	1.00	m2				-	-
	Hardscape							-
4	FL-01 - Gravel; THK 20mm	2.90	m2				-	-
5	Concrete Curb; width 100mm with filet edge as per L15-001	9.00	m				-	-
	Carried to Summary							-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Equipment Rate	Unit Rate	Amount (FCFA)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA CAMEROON

	MECHANICAL WORKS				
	01 MECHANICAL WORK				
	0101 HVAC EQUIPMENT				
	T-1 WATER TANK(STS/24TON); 5,000*3,000*2,000 /SEPARATED 2	1.00	EA	-	-
	SF-1 IN LINE FAN(D315); 2,700CMH*660PA*2.2KW	1.00	EA	-	-
	SF-2 IN LINE FAN(D250); 500CMH*660PA*1.5KW	1.00	EA	-	-
	SF-3 IN LINE FAN(D400); 1,100CMH*660PA*1.5KW	1.00	EA	-	-
	SF-4 IN LINE FAN(D315); 1,500CMH*660PA*1.5KW	1.00	EA	-	-
1	SF-5 IN LINE FAN(D250); 600CMH*680PA*1.5KW	1.00	EA	-	-
2					
3	SF-6 IN LINE FAN(D250); 600CMH*680PA*1.5KW	1.00	EA	-	-
4					
5	SF-7 IN LINE FAN(D250); 600CMH*680PA*1.5KW	1.00	EA	-	-
6	SF-8 IN LINE FAN(D450); 2,900CMH*650PA*2.2KW	1.00	EA	-	-
7					
8	SF-9 IN LINE FAN(D560); 4,100CMH*650PA*3.7KW	1.00	EA	-	-
9					
10	EF-1 IN LINE FAN(D450); 4,100CMH*200PA*0.75KW	1.00	EA	-	-
11					
12	EF-2 IN LINE FAN(D350); 1,500CMH*200PA*0.4KW	1.00	EA	-	-
13	EF-3 IN LINE FAN(D350); 2,700CMH*210PA*0.75KW	1.00	EA	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

14	EF-4 IN LINE FAN(D315); 1,600CMH*230PA*0.4KW	1.00	EA	-	-	-	-
15	EF-5 IN LINE FAN(D250); 400CMH*210PA*0.4KW	1.00	EA	-	-	-	-
16	EF-6 IN LINE FAN(D250); 300CMH*190PA*0.4KW	1.00	EA	-	-	-	-
17	EF-7 IN LINE FAN(D250); 500CMH*190PA*0.4KW	1.00	EA	-	-	-	-
18	EF-8 IN LINE FAN(D250); 800CMH*200PA*0.4KW	1.00	EA	-	-	-	-
19	EF-9 IN LINE FAN(D315); 500CMH*210PA*0.4KW	1.00	EA	-	-	-	-
20	EF-10 IN LINE FAN(D315); 1,200CMH*200PA*0.4KW	1.00	EA	-	-	-	-
21	EF-11 IN LINE FAN(D250); 200CMH*190PA*0.4KW	1.00	EA	-	-	-	-

Item	Description	Qty		Material Rate	Labour Rate	Expenses Rate	Unit Rate	Amount (FCFA)
	EF-12 IN LINE FAN(D350); 2,100CMH*210PA*0.4KW	1.00	EA	-			-	-
	EF-13 IN LINE FAN(D250); 500CMH*210PA*0.4KW	1.00	EA	-			-	-
	EF-14 IN LINE FAN(D250); 1,400CMH*210PA*0.75KW	1.00	EA	-			-	-
22								
23	EF-15 IN LINE FAN(D315); 510CMH*210PA*0.4KW	1.00	EA	-			-	-
24								
25	EF-16 IN LINE FAN(D315); 510CMH*210PA*0.4KW	1.00	EA	-			-	-
26								
	EF-17 IN LINE FAN(D315); 510CMH*210PA*0.4KW	1.00	EA	-			-	-
27								
28	EF-18 IN LINE FAN(D350); 2,900CMH*190PA*0.75KW	1.00	EA	-			-	-
29	CEF-1 CEILING FAN; 210CMH*0.04KW	10.00	EA	-			-	-
30	DE-1 DEHUMIDIFIER; 40L/DAY 0.9KW	3.00	EA	-			-	-
31								
32	EWH-1 ELEC.WATER HEATER; 7.5KW	11.00	EA	-			-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

33						
34	P-1 WATER SUPPLY(BOOSTER);	1.00	SET	-	-	
35	(230*2)LPM*370KPA*(3.7*2)KW					
36						
	LABOR; COMMON LABOR	10.00	M/D	-	-	
	LABOR; BOILER WORKER	3.00	M/D	-	-	
	LABOR; EQUIPMENT INSTALLER		M/D	-	-	
	TOOL CHARGE; LABOR COST 2%	30.00	L/S	-	-	
		1.00				
	0102 PLUMBING WORK					
	010201 SANITARY FIXTURE					
37	WATER CLOSET(FV);	26.00	SET	-	-	
38	URINAL;	3.00	SET	-	-	
		6.00				
		28.00				
		34.00				
	LAVATORY(OVAL);	7.00	SET	-	-	
39	LAVATORY(SQUARE);	10.00	SET	-	-	
40	LAUNDRY FAUCET;		EA	-	-	
41	SHOWER FAUCET;	10.00	EA	-	-	
42	SINK;		SET	-	-	
43	SINK FAUCET;	4.00	EA	-	-	
44	DISPOSAL SINK;		SET	-	-	
45	SCRUB SINK;	4.00	SET	-	-	
46	PAPER HOLDER(STS);		EA	-	-	
47	TOWEL BAR(STS);	26.00	EA	-	-	
48	SOAP HOLDER(STS);		EA	-	-	
49		34.00				
50						
		34.00				
	DISABLED HANDLE; WATER CLOSET	13.00	SET	-	-	

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

Item	Description	Qty		Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
51	DISABLED HANDLE; URINAL	2.00	SET				-	-
52								
53	LABOR; COMMON LABOR	12.00	M/D				-	-
54	LABOR; PLUMBER	55.00	M/D				-	-
	TOOL CHARGE; LABOR COST 2%	1.00	L/S				-	-
	010202 COLD & HOT WATER PIPING WORK							
55	STS PIPE (WELDING)(10S); D15x2.0T	8.00	M				-	-
56	STS PIPE (WELDING)(10S); D50x2.8T	62.00	M				-	-
57	STS PIPE (WELDING)(10S); D80x3T	4.00	M				-	-
58	STS PIPE (WELDING)(10S); D100x3T	19.00	M				-	-
59	PPR PIPE; D15	413.00	M				-	-
60	PPR PIPE; D20	1.00	M				-	-
61	PPR PIPE; D25	219.00	M				-	-
62	PPR PIPE; D32	106.00	M				-	-
63	PPR PIPE; D40	49.00	M				-	-
64	PPR PIPE; D50	52.00	M				-	-
65	PPR PIPE; D65	35.00	M				-	-
66	PPR PIPE; D80	6.00	M				-	-
67	COST for MISC.MATERIAL; PIPE COST 3%	1.00	L/S				-	-
68	PIPE COVER (ARTIRON); 5TxD15	127.00	M				-	-
69	PIPE COVER (ARTIRON); 5TxD25	45.00	M				-	-
70	PIPE COVER (ARTIRON); 5TxD50	27.00	M				-	-
71	PIPE COVER (ARTIRON+MAGIC); 25TxD15	257.00	M				-	-
72	PIPE COVER (ARTIRON+MAGIC); 25TxD25	154.00	M				-	-
73	PIPE COVER (ARTIRON+MAGIC); 25TxD32	97.00	M				-	-
74	PIPE COVER (ARTIRON+MAGIC); 25TxD40	45.00	M				-	-
		76.00						

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

75	PIPE COVER (ARTIRON+MAGIC); 25TxD50		M				-	-
76	PIPE COVER (ARTIRON+MAGIC); 25TxD65	32.00	M				-	-
75	PIPE COVER (ARTIRON+MAGIC); 25TxD80	9.00	M				-	-
76	PIPE COVER (ARTIRON+MAGIC); 40TxD100	17.00	M				-	-
77	STS ELBOW (SCREW); D15	2.00	EA				-	-

Item	Description	Qty	Unit	Labour Rate	Unit Rate	Amount (FCFA)
	STS UNION; D50	5.00	EA		-	-
78	STS NIPPLE; D15	2.00	EA		-	-
79	STS NIPPLE; D50	15.00	EA		-	-
80	STS ELBOW (WELDING #10); D15	7.00	EA		-	-
81	STS ELBOW (WELDING #10); D50	16.00	EA		-	-
82	STS ELBOW (WELDING #10); D80	8.00	EA		-	-
83		7.00	EA		-	-
84	STS ELBOW (WELDING #10); D100	2.00	EA		-	-
85	STS TEE (WELDING #10); D15	7.00	EA		-	-
86	STS TEE (WELDING #10); D50	1.00	EA		-	-
87	STS TEE (WELDING #10); D80	4.00	EA		-	-
88	STS TEE (WELDING #10); D100	3.00	EA		-	-
89	STS REDUCER (WELDING #10); D100	1.00	EA		-	-
90	STS CAP (WELDING #10); D15	2.00	EA		-	-
91	STS CAP (WELDING #10); D50	301.00	EA		-	-
92	PPR 90' ELBOW; D15	124.00	EA		-	-
93	PPR 90' ELBOW; D25	27.00	EA		-	-
94	PPR 90' ELBOW; D32	8.00	EA		-	-
95	PPR 90' ELBOW; D40	17.00	EA		-	-
96	PPR 90' ELBOW; D50	14.00	EA		-	-
97	PPR 90' ELBOW; D65	10.00	EA		-	-
98	PPR PF ELBOW; D15	32.00	EA		-	-
99	PPR PF ELBOW; D25					

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

100	PPR TEE; D15	1.00	EA	-	-	-	-
101	PPR TEE; D25	49.00	EA	-	-	-	-
102	PPR TEE; D32	51.00	EA	-	-	-	-
103	PPR TEE; D40	22.00	EA	-	-	-	-
104	PPR TEE; D50	24.00	EA	-	-	-	-
105	PPR TEE; D65	8.00	EA	-	-	-	-
106	PPR TEE; D80	2.00	EA	-	-	-	-
107	PPR PF TEE; D15	90.00	EA	-	-	-	-
108	PPR PF TEE; D25	3.00	EA	-	-	-	-
109	PPR REDUCER; D32	10.00	EA	-	-	-	-
110	PPR REDUCER; D40	11.00	EA	-	-	-	-
111	PPR REDUCER; D50	8.00	EA	-	-	-	-
112	PPR REDUCER; D65	5.00	EA	-	-	-	-

Item	Description	Qty		Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
113	PPR REDUCER; D80	2.00	EA	-	-	-	-	-
114	PPR CAP; D15	73.00	EA	-	-	-	-	-
115	PPR CAP; D25	30.00	EA	-	-	-	-	-
116	PPR CAP; D32	11.00	EA	-	-	-	-	-
117	PPR CAP; D50	2.00	EA	-	-	-	-	-
118	PPR HEXAGONAL PM ADAPTER; D15	36.00	EA	-	-	-	-	-
119	PPR HEXAGONAL PM ADAPTER; D20	2.00	EA	-	-	-	-	-
120	PPR HEXAGONAL PM ADAPTER; D32	8.00	EA	-	-	-	-	-
121	PPR HEXAGONAL PM ADAPTER; D40	6.00	EA	-	-	-	-	-
122	PPR HEXAGONAL PM ADAPTER; D50	10.00	EA	-	-	-	-	-
123	PPR SOCKET; D15	3.00	EA	-	-	-	-	-
124	PPR SOCKET; D32	1.00	EA	-	-	-	-	-
125	STS PIPE WELDING; D15	23.00	POINT	-	-	-	-	-
126	STS PIPE WELDING; D50	69.00	POINT	-	-	-	-	-
127	STS PIPE WELDING; D80	19.00	POINT	-	-	-	-	-

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

128	STS PIPE WELDING; D100	32.00	POINT	-	-	-	-
129	PPR CONNECTION; D15	892.00	POINT	-	-	-	-
130	PPR CONNECTION; D20	2.00	POINT	-	-	-	-
131	PPR CONNECTION; D25	463.00	POINT	-	-	-	-
132	PPR CONNECTION; D32	249.00	POINT	-	-	-	-
133	PPR CONNECTION; D40	110.00	POINT	-	-	-	-
134	PPR CONNECTION; D50	136.00	POINT	-	-	-	-
135	PPR CONNECTION; D65	68.00	POINT	-	-	-	-
136	PPR CONNECTION; D80	11.00	POINT	-	-	-	-
137	STS FLANGE(SINGLE); D50	2.00	POINT	-	-	-	-
138	STS FLANGE(SINGLE); D80	14.00	POINT	-	-	-	-
139	STS FLANGE(SINGLE); D100	14.00	POINT	-	-	-	-
140	STS BLINED FLANGE (10KG); D80	1.00	EA	-	-	-	-
141	STS BLINED FLANGE (10KG); D100	1.00	EA	-	-	-	-
142	PPR FLANGE; D32	1.00	EA	-	-	-	-
143	PPR FLANGE; D50	2.00	EA	-	-	-	-
144	PPR FLANGE; D65	6.00	EA	-	-	-	-
145	PPR FLANGE; D80	1.00	EA	-	-	-	-
146	BALL VALVE (10KG); D15	18.00	EA	-	-	-	-
147	GATE VALVE (10KG); D20	1.00	EA	-	-	-	-

Item	Description	Qty	Unit	Rate	Labour Rate	Rate	Unit Rate	Amount (FCFA)
	GATE VALVE (10KG); D32	4.00	EA	-	-	-	-	-
148	GATE VALVE (10KG); D40	3.00	EA	-	-	-	-	-
149	GATE VALVE (10KG); D50	9.00	EA	-	-	-	-	-
150	BUTTERFLY VALVE; LEVER,10K*D65	3.00	EA	-	-	-	-	-
151								
152	BUTTERFLY VALVE; GEAR,10K*D80	3.00	EA	-	-	-	-	-
153	BUTTERFLY VALVE; GEAR,10K*D100	2.00	EA	-	-	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

154	SMOLEN CHECK VALVE (10KG); D100	1.00	EA
155	STRAINER (10KG); D50	1.00	EA
155	STRAINER (10KG); D100	1.00	EA
156	STS FILTER MESH; D80	2.00	EA
157	FLEXIBLE JOINT(BELLOWS); D100*10k	2.00	EA
158	W.H.C (10KG); D32	1.00	EA
159	W.H.C (10KG); D100	1.00	EA
160	BALL TAP (STS); D32	1.00	EA
161	BALL TAP (STS); D50	2.00	EA
162	WATER METER(COLD); D50	1.00	EA
163	PRESSURE GAUGE (STS); 0-35KG/CM2	1.00	SET
164	PIPE HANGER; D15	66.00	POINT
165	PIPE HANGER; D25	58.00	POINT
166	PIPE HANGER; D32	33.00	POINT
167	PIPE HANGER; D40	17.00	POINT
168	PIPE HANGER; D50	16.00	POINT
169	PIPE HANGER; D65	7.00	POINT
170	U BOLT&NUT (INSUL); D32	2.00	EA
171	U BOLT&NUT (INSUL); D50	6.00	EA
172	U BOLT&NUT (INSUL); D65	2.00	EA
173	U BOLT&NUT (INSUL); D80	2.00	EA
174	U BOLT&NUT (INSUL); D100	3.00	EA
175	STEEL PIPE SLEEVE(COLOR,WALL); D50	1.00	POINT
176	PVC SLEEVE (WALL); D32	3.00	POINT
177	PVC SLEEVE (WALL); D40	3.00	POINT
178	PVC SLEEVE (WALL); D50	5.00	POINT
179	PVC SLEEVE (WALL); D65	3.00	POINT
180	PVC SLEEVE (WALL); D80	1.00	POINT

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description	Qty	Unit	Labour Rate	Unit Rate	Amount (FCFA)
181	PVC SLEEVE (FLOOR); D32	2.00	POINT		-	-
182	PVC SLEEVE (FLOOR); D65	2.00	POINT		-	-
183	PVC SLEEVE (FLOOR); D80	1.00	POINT		-	-
184	FIREPROOF FILLER (STEEL,WALL); D32	3.00	POINT		-	-
185	FIREPROOF FILLER (STEEL,WALL); D40	3.00	POINT		-	-
186	FIREPROOF FILLER (STEEL,WALL); D50	5.00	POINT		-	-
187	FIREPROOF FILLER (STEEL,WALL); D65	3.00	POINT		-	-
188	FIREPROOF FILLER (STEEL,WALL); D80	1.00	POINT		-	-
189	FIREPROOF FILLER (STEEL,FLOOR); D32	2.00	POINT		-	-
190	FIREPROOF FILLER (STEEL,FLOOR); D65	2.00	POINT		-	-
191	FIREPROOF FILLER (STEEL,FLOOR); D80	1.00	POINT		-	-
192	CHANNEL; 100×50×5×7.5mm	132.00	KG		-	-
193	ANGLE; 50×50×6mm	251.00	KG		-	-
194	INSERT PLATE; 200x200x9T	18.00	POINT		-	-
195	READY MIXED PAINT; 2 COAT	16.00	M2		-	-
196	RED LEAD PAINT; 2 COAT	16.00	M2		-	-
197	FABRICATION OF MISC.IRON WORK; GENERAL STEEL	0.37	TON		-	-
198	LABOR; COMMON LABOR	24.00	M/D		-	-
199	LABOR; PIPE FITTER	73.00	M/D		-	-
200	TOOL CHARGE; LABOR COST 2%	1.00	L/S		-	-
	010203 DRAINAGE&SOIL,VENT PIPING WORK					
201	GALV' STEEL PIPE (SPP); D50	1.00	M		-	-
202	GALV' STEEL PIPE (SPP); D65	8.00	M		-	-
203	GALV' STEEL PIPE (SPP); D80	6.00	M		-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

204	GALV' STEEL PIPE (SPP); D100	3.00	M				-	-
205	PVC PIPE (VG1,DTS); D35	4.00	M				-	-
206	PVC PIPE (VG1,DTS); D40	1.00	M				-	-
207	PVC PIPE (VG1,DTS); D50	78.00	M				-	-
208	PVC PIPE (VG1,DTS); D75	9.00	M				-	-
209	PVC PIPE (VG1,DTS); D100	99.00	M				-	-
210	PVC PIPE (VG1,DTS); D125	46.00	M				-	-
211	PVC PIPE (VG1,DTS); D150	105.00	M				-	-
212	PVC PIPE (VG1,DTS); D200	14.00	M				-	-
213	PVC PIPE (VG1,DTS); D250	56.00	M				-	-
214	PVC PIPE (VG2,DTS); D50	224.00	M				-	-
215	PVC PIPE (VG2,DTS); D100	52.00	M				-	-
216	PVC PIPE (VG1,DRF); D35	14.00	M				-	-
217	PVC PIPE (VG1,DRF); D40	1.00	M				-	-
218	PVC PIPE (VG1,DRF); D50	257.00	M				-	-
219	PVC PIPE (VG1,DRF); D75	50.00	M				-	-
220	PVC PIPE (VG1,DRF); D100	253.00	M				-	-
221	PVC PIPE (VG1,DRF); D125	122.00	M				-	-
222	COST for MISC.MATERIAL; PIPE COST 3%	1.00	L/S				-	-
223	PIPE COVER (ARTIRON+MAGIC); 25TxD125	93.00	M				-	-
224	PIPE COVER (ARTIRON+MAGIC); 25TxD150	91.00	M				-	-
225	PIPE COVER (ARTIRON+MAGIC); 25TxD200	13.00	M				-	-
226	PIPE COVER (ARTIRON+MAGIC); 25TxD250	3.00	M				-	-
227	GALV' ELBOW; D50	2.00	EA				-	-
228	GALV' ELBOW; D65	7.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

229	GALV' ELBOW; D80	4.00	EA				-	-
230	GALV' ELBOW; D100	1.00	EA				-	-
231	GALV' TEE; D65	2.00	EA				-	-
232	GALV' TEE; D100	4.00	EA				-	-
233	GALV' NIPPLE; D50	2.00	EA				-	-
234	GALV' UNION; D50	1.00	EA				-	-
235	FLOOR DRAIN; D50	28.00	EA				-	-
236	FLOOR DRAIN; D100	1.00	EA				-	-
237	PVC 90' ELBOW (DTS); D35	8.00	EA				-	-
238	PVC 90' ELBOW (DTS); D40	1.00	EA				-	-
239	PVC 90' ELBOW (DTS); D50	87.00	EA				-	-
240	PVC 90' ELBOW (DTS); D100	10.00	EA				-	-
241	PVC 45' ELBOW (DTS); D50	21.00	EA				-	-
242	PVC 45' ELBOW (DTS); D75	5.00	EA				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Equipment Rate	Unit Rate	Amount (FCFA)
243	PVC 45' ELBOW (DTS); D100	51.00	EA				-	-
244	PVC 45' ELBOW (DTS); D125	11.00	EA				-	-
245	PVC 45' ELBOW (DTS); D150	26.00	EA				-	-
246	PVC 45' ELBOW (DTS); D200	4.00	EA				-	-
247	PVC 45' ELBOW (DTS); D250	11.00	EA				-	-
248	PVC SOCKET (DTS); D50	29.00	EA				-	-
249	PVC SOCKET (DTS); D75	1.00	EA				-	-
250	PVC SOCKET (DTS); D100	17.00	EA				-	-
251	PVC SOCKET (DTS); D125	8.00	EA				-	-
252	PVC SOCKET (DTS); D150	19.00	EA				-	-
253	PVC SOCKET (DTS); D200	2.00	EA				-	-
254	PVC SOCKET (DTS); D250	9.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

255	PVC REDUCER (DTS); D50xD35	8.00	EA				-	-
256	PVC REDUCER (DTS); D50xD40	1.00	EA				-	-
257	PVC Y (DTS); D50x50	10.00	EA				-	-
258	PVC Y (DTS); D75x50	1.00	EA				-	-
259	PVC Y (DTS); D100x100	24.00	EA				-	-
260	PVC Y (DTS); D100x50	1.00	EA				-	-
261	PVC Y (DTS); D125x125	2.00	EA				-	-
262	PVC Y (DTS); D125xD50	8.00	EA				-	-
263	PVC Y (DTS); D125xD75	1.00	EA				-	-
264	PVC Y (DTS); D125xD100	2.00	EA				-	-
265	PVC Y (DTS); D150xD150	8.00	EA				-	-
266	PVC Y (DTS); D150x125	13.00	EA				-	-
267	PVC Y (DTS); D200x200	1.00	EA				-	-
268	PVC Y (DTS); D200x125	3.00	EA				-	-
269	PVC Y (DTS); D200x150	1.00	EA				-	-
270	PVC Y (DTS); D250x125	2.00	EA				-	-
271	PVC Y (DTS); D250x150	4.00	EA				-	-
272	PVC Y (DTS); D250x200	1.00	EA				-	-
273	PVC Y (DTS); D250x250	4.00	EA				-	-
274	PVC YT (DTS); D50xD50	13.00	EA				-	-
275	PVC YT (DTS); D100xD50	9.00	EA				-	-
276	PVC YT (DTS); D125xD50	1.00	EA				-	-
277	PVC C.O (DTS); D100	4.00	EA				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
278	PVC C.O (DTS); D150	13.00	EA				-	-
279	PVC C.O (DTS); D200	2.00	EA				-	-
280	PVC C.O (DTS); D250	3.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

DESIGN GROUP FIVE

281	PVC F.C.O (DTS); D50	4.00	EA
282	PVC F.C.O (DTS); D75	1.00	EA
283	PVC F.C.O (DTS); D100	8.00	EA
284	PVC F.C.O (DTS); D125	3.00	EA
285	PVC F.C.O (DTS); D250	2.00	EA
286	PVC P TRAP (DTS); D50	6.00	EA
287	PVC P TRAP (DTS); D100	1.00	EA
288	PVC 90° ELBOW (DRF); D35	26.00	EA
289	PVC 90° ELBOW (DRF); D40	2.00	EA
290	PVC 90° ELBOW (DRF); D50	37.00	EA
291	PVC 90° ELBOW (DRF); D100	19.00	EA
292	PVC 90° ELBOW (DRF); D125	18.00	EA
293	PVC 45° ELBOW (DRF); D50	76.00	EA
294	PVC 45° ELBOW (DRF); D75	7.00	EA
295	PVC 45° ELBOW (DRF); D100	50.00	EA
296	PVC 45° ELBOW (DRF); D125	29.00	EA
297	PVC Y (DRF); D50x50	28.00	EA
298	PVC Y (DRF); D75x50	13.00	EA
299	PVC Y (DRF); D100x50	14.00	EA
300	PVC Y (DRF); D100x75	2.00	EA
301	PVC Y (DRF); D100x100	22.00	EA
302	PVC YT (DRF); D50x50	4.00	EA
303	PVC YT (DRF); D75x50	2.00	EA
304	PVC YT (DRF); D100x50	4.00	EA
305	PVC C-Y (DRF); D50x50	25.00	EA
306	PVC C-Y (DRF); D75x50	4.00	EA
307	PVC C-Y (DRF); D75x75	3.00	EA
308	PVC C-Y (DRF); D100x50	2.00	EA

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

309	PVC C-Y (DRF); D100x75	1.00	EA				-	-
310	PVC C-Y (DRF); D100x100	30.00	EA				-	-
311	PVC C-Y (DRF); D125x125	10.00	EA				-	-
312	PVC SOCKET (DRF); D50	6.00	EA				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
313	PVC SOCKET (DRF); D75	3.00	EA				-	-
314	PVC SOCKET (DRF); D100	12.00	EA				-	-
315	PVC SOCKET (DRF); D125	12.00	EA				-	-
316	PVC REDUCER (DRF); D50x35	26.00	EA				-	-
317	PVC REDUCER (DRF); D50x40	2.00	EA				-	-
318	PVC P TRAP (DRF); D50	22.00	EA				-	-
319	V.T.W(PVC); D100	1.00	EA				-	-
320	STEEL PIPE WELDING; D65	20.00	POINT				-	-
321	STEEL PIPE WELDING; D80	8.00	POINT				-	-
322	STEEL PIPE WELDING; D100	14.00	POINT				-	-
323	STEEL FLANGE (SINGLE); D65	8.00	POINT				-	-
324	STEEL FLANGE (SINGLE); D80	2.00	POINT				-	-
325	STEEL FLANGE (SINGLE); D100	1.00	POINT				-	-
326	STEEL BLINED FLANGE (10KG); D65	1.00	EA				-	-
327	STEEL BLINED FLANGE (10KG); D100	1.00	EA				-	-
328	GATE VALVE (10KG); D50	1.00	EA				-	-
329	GATE VALVE (10KG); D65	2.00	EA				-	-
330	PIPE HANGER; D50	272.00	POINT				-	-
331	PIPE HANGER; D80	29.00	POINT				-	-
332	PIPE HANGER; D100	123.00	POINT				-	-
333	PIPE HANGER; D125	61.00	POINT				-	-
334	PIPE HANGER; D150		POINT				-	-
335	PIPE HANGER; D200	43.00	POINT				-	-
		6.00					-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

336	PIPE HANGER; D250	1.00	POINT				-	-
337	U BOLT&NUT; D50	4.00	EA				-	-
338	U BOLT&NUT; D100	17.00	EA				-	-
339	U BOLT&NUT; D150	1.00	EA				-	-
340	U BOLT&NUT; D250	5.00	EA				-	-
341	STEEL PIPE SLEEVE(COLOR,WALL); D100	1.00	POINT				-	-
342	STEEL PIPE SLEEVE(COLOR,WALL); D250	1.00	POINT				-	-
343	PVC SLEEVE (WALL); D50	13.00	POINT				-	-
344	PVC SLEEVE (WALL); D80	1.00	POINT				-	-
345	PVC SLEEVE (WALL); D100	15.00	POINT				-	-
346	PVC SLEEVE (WALL); D125	1.00	POINT				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expat	Unit Rate	Amount (FCFA)
347	PVC SLEEVE (WALL); D150	5.00	POINT				-	-
348	PVC SLEEVE (WALL); D250	2.00	POINT				-	-
349	PVC SLEEVE (FLOOR); D50	4.00	POINT				-	-
350	PVC SLEEVE (FLOOR); D100	17.00	POINT				-	-
351	PVC SLEEVE (FLOOR); D125	18.00	POINT				-	-
352	PVC SLEEVE (FLOOR); D150	1.00	POINT				-	-
353	PVC SLEEVE (FLOOR); D250	5.00	POINT				-	-
354	FIREPROOF FILLER (PVC,WALL); D50	13.00	POINT				-	-
355	FIREPROOF FILLER (PVC,WALL); D75	1.00	POINT				-	-
356	FIREPROOF FILLER (PVC,WALL); D100	15.00	POINT				-	-
357	FIREPROOF FILLER (PVC,WALL); D125	1.00	POINT				-	-
358	FIREPROOF FILLER (PVC,WALL); D150	5.00	POINT				-	-
359	FIREPROOF FILLER (PVC,WALL); D250	2.00	POINT				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

360	FIREPROOF FILLER (PVC,FLOOR); D50	4.00	POINT	-	-	
361	FIREPROOF FILLER (PVC,FLOOR); D100	17.00	POINT	-	-	
362	FIREPROOF FILLER (PVC,FLOOR); D125	18.00	POINT	-	-	
363	FIREPROOF FILLER (PVC,FLOOR); D150	1.00	POINT	-	-	
364	FIREPROOF FILLER (PVC,FLOOR); D250	5.00	POINT	-	-	
365	LAVATORY SLEEVE; D35	34.00	EA	-	-	
366	URINAL SLEEVE; D40	3.00	EA	-	-	
367	SINK SLEEVE; D50	10.00	EA	-	-	
368	WATER CLOSET SLEEVE; D100	26.00	EA	-	-	
369	READY MIXED PAINT; 2 COAT	5.00	M2	-	-	
370	RED LEAD PAINT; 2 COAT	2.00	M2			
371	LABOR; COMMON LABOR	49.00	M/D	-	-	
372	LABOR; PIPE FITTER		M/D	-	-	
373	TOOL CHARGE; LABOR COST 2%	146.00 1.00	L/S	-	-	
	010204 SEWAGE PIPE WORK					
374	PVC PIPE (VG1,DTS); D50	2.00	M			
375	PVC PIPE (VG1,DTS); D100	43.00	M	-	-	

Item	Description	Q'ty		Trading Rate	Unit Rate	Amount (FCFA)
376	PVC PIPE (VG2,DTS); D50	50.00	M		-	-
377	PVC PIPE (VG2,DTS); D75	17.00	M		-	-
378	PVC PIPE (VG2,DTS); D100	28.00	M		-	-
379	PVC PIPE (VG1,DRF); D50	7.00	M		-	-
380	PVC PIPE (VG1,DRF); D100	53.00	M		-	-
381	COST for MISC.MATERIAL; PIPE COST 3%	1.00	L/S		-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

DESIGN GROUP FIVE

382	PVC 90' ELBOW (DTS); D50	26.00	EA
383	PVC 90' ELBOW (DTS); D100	3.00	EA
384	PVC 45' ELBOW (DTS); D50	1.00	EA
385	PVC 45' ELBOW (DTS); D75	2.00	EA
386	PVC 45' ELBOW (DTS); D100	24.00	EA
387	PVC SOCKET (DTS); D50	5.00	EA
388	PVC SOCKET (DTS); D75	3.00	EA
389	PVC SOCKET (DTS); D100	10.00	EA
390	PVC REDUCER (DTS); D100xD50	1.00	EA
391	PVC Y (DTS); D100x100	8.00	EA
392	PVC Y (DTS); D100x50	1.00	EA
393	PVC Y (DTS); D100x75	1.00	EA
394	PVC YT (DTS); D75xD50	2.00	EA
395	PVC YT (DTS); D100xD100	1.00	EA
396	PVC YT (DTS); D100xD50	1.00	EA
397	PVC C.O (DTS); D100	2.00	EA
398	PVC F.C.O (DTS); D100	4.00	EA
399	PVC 90° ELBOW (DRF); D50	3.00	EA
400	PVC 90° ELBOW (DRF); D100	3.00	EA
401	PVC 45° ELBOW (DRF); D50	3.00	EA
402	PVC 45° ELBOW (DRF); D100	11.00	EA
403	PVC Y (DRF); D100x50	1.00	EA
404	PVC Y (DRF); D100x75	1.00	EA
405	PVC Y (DRF); D100x100	5.00	EA

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

406	PVC YT (DRF); D100x50	3.00	EA		-	-
407	PVC C-Y (DRF); D100x50	2.00	EA		-	-
408	PVC C-Y (DRF); D100x100	6.00	EA		-	-
409	PVC SOCKET (DRF); D100	5.00	EA		-	-
410	V.T.W(PVC); D100	1.00	EA		-	-

Item	Description	Qty			Unit Price	Amount(KRW)
411	PIPE HANGER; D50	26.00	POINT		-	-
412	PIPE HANGER; D100	31.00	POINT		-	-
413	U BOLT&NUT; D80	3.00	EA		-	-
414	U BOLT&NUT; D100	6.00	EA		-	-
415	STEEL PIPE SLEEVE(COLOR,WALL); D100	1.00	POINT		-	-
416	PVC SLEEVE (WALL); D50	3.00	POINT		-	-
417	PVC SLEEVE (WALL); D100	6.00	POINT		-	-
418	PVC SLEEVE (FLOOR); D80	3.00	POINT		-	-
419	PVC SLEEVE (FLOOR); D100	6.00	POINT		-	-
420	FIREPROOF FILLER (PVC,WALL); D50	3.00	POINT		-	-
421	FIREPROOF FILLER (PVC,WALL); D100	6.00	POINT		-	-
422	FIREPROOF FILLER (PVC,FLOOR); D75	3.00	POINT		-	-
423	FIREPROOF FILLER (PVC,FLOOR); D100	6.00	POINT		-	-
424	PLASTIC SLEEVE; D100	4.00	EA		-	-
425	SINK SLEEVE; D50	4.00	EA		-	-
426	LABOR; COMMON LABOR	7.00	M/D		-	-
427	LABOR; PIPE FITTER	21.00	M/D		-	-
428	TOOL CHARGE; LABOR COST 2%	1.00	L/S		-	-
	0103 VENTILATION DUCT WORK					

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

429	GALV' STEEL DUCT SHEET; (0.5T)	420.00	M2	-	-	-	-
430	GALV' STEEL DUCT SHEET; (0.6T)	88.00	M2	-	-	-	-
431	DUCT INSULATION(EPDM); 25THK	102.00	M2	-	-	-	-
432	CANVAS; 1.2t	24.00	M2	-	-	-	-
433	SPIRAL DUCT; D100×0.5t	6.00	M	-	-	-	-
434	SPIRAL DUCT; D125×0.5t	12.00	M	-	-	-	-
435	SPIRAL DUCT; D150×0.5t	55.00	M	-	-	-	-
436	SPIRAL DUCT; D200×0.5t	80.00	M	-	-	-	-
437	SPIRAL DUCT; D250×0.5t	43.00	M	-	-	-	-
438	SPIRAL ELBOW; D125	2.00	EA	-	-	-	-
439	SPIRAL ELBOW; D150	8.00	EA	-	-	-	-
440	SPIRAL ELBOW; D200	10.00	EA	-	-	-	-
441	SPIRAL ELBOW; D250	4.00	EA	-	-	-	-
442	SPIRAL TEE; D200	12.00	EA	-	-	-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
443	SPIRAL TEE; D250	4.00	EA				-	-
444	SPIRAL REDUCING TEE; D200	8.00	EA				-	-
445	SPIRAL REDUCING TEE; D250	4.00	EA				-	-
446	SPIRAL CAP; D200	4.00	EA				-	-
447	SPIRAL HANGER; D100	3.00	EA				-	-
448	SPIRAL HANGER; D125	5.00	EA				-	-
449	SPIRAL HANGER; D150	27.00	EA				-	-
450	SPIRAL HANGER; D200	39.00	EA				-	-
451	SPIRAL HANGER; D250	21.00	EA				-	-
452	ROUND DIFFUSER (AL); D150	28.00	EA				-	-
453	ROUND PAN DIFFUSER (AL); D100	4.00	EA				-	-
454	ROUND PAN DIFFUSER (AL); D150	44.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

455	DUCT FLEXIBLE HOSE (AL); D100	14.00	M				-	-
456	DUCT FLEXIBLE HOSE (AL); D125	2.00	M				-	-
457	DUCT FLEXIBLE HOSE (AL); D150	66.00	M				-	-
	FLEXIBLE DUCT HOSE (AL,INSUL); D150	42.00	M				-	-
458	FD/FVD HUSE	4.00	EA				-	-
459								
460								
461	ACCESS DOOR; 200x200	4.00	EA				-	-
	STS BEND; D100	24.00	EA				-	-
462	STS BEND; D125	4.00	EA				-	-
463	STS BEND; D150	144.00	EA				-	-
464	STS MESH; #24	13.00	M2				-	-
465	HOOD CAP; D125	1.00	EA				-	-
466	HOOD CAP; D200	4.00	EA				-	-
467	HOOD CAP; D250	8.00	EA				-	-
468	SPIN IN; D100	4.00	EA				-	-
469	SPIN IN; D150	72.00	EA				-	-
470	STEEL PIPE SLEEVE(COLOR,WALL); D125	1.00	POINT				-	-
471	STEEL PIPE SLEEVE(COLOR,WALL); D200	4.00	POINT				-	-
	STEEL PIPE SLEEVE(COLOR,WALL); D250	8.00	POINT				-	-
472	FIREPROOF FILLER (DUCT,WALL)	4.00	M				-	-
473								
474	READY MIXED PAINT; 2 COAT	238.00	M2				-	-
475	RED LEAD PAINT; 2 COAT	238.00	M2				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
476	B.D.D (STL); 200 x 250	3.00	EA				-	-
477	B.D.D (STL); 250 x 200	1.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON Design Group Five

DESIGN GROUP FIVE

478	B.D.D (STL); 300 x 250	1.00	EA	-	-	-
479	B.D.D (STL); 400 x 250	1.00	EA	-	-	-
480	B.D.D (STL); 500 x 300	2.00	EA	-	-	-
481	B.D.D (STL); 550 x 300	1.00	EA	-	-	-
	B.D.D (STL); 550 x 400	1.00	EA	-	-	-
	F.D (STL); 200 x 200	2.00	EA	-	-	-
482						
483						
484	F.D (STL); 350 x 250	1.00	EA	-	-	-
485						
486	F.D (STL); 400 x 250	1.00	EA	-	-	-
	REGISTER (AL); 300 x 150	17.00	EA	-	-	-
487	REGISTER (AL); 400 x 200	4.00	EA	-	-	-
488	REGISTER (AL); 400 x 250	4.00	EA	-	-	-
489	REGISTER (AL); 450 x 300	7.00	EA	-	-	-
490	REGISTER (AL); 550 x 400	6.00	EA	-	-	-
491	REGISTER (AL); 600 x 400	4.00	EA	-	-	-
492	V.D (STL); 200 x 150	2.00	EA	-	-	-
493	V.D (STL); 200 x 200	18.00	EA	-	-	-
494	V.D (STL); 250 x 200	9.00	EA	-	-	-
495	V.D (STL); 300 x 200	3.00	EA	-	-	-
496	V.D (STL); 350 x 200	2.00	EA	-	-	-
497	V.D (STL); 400 x 200	1.00	EA	-	-	-
498	V.D (STL); 450 x 250	1.00	EA	-	-	-
499	AIRTIGHT SHUTTER; 200*250	6.00	EA	-	-	-
500						
501	FILTERBOX(PRE+MIDIUM(MERV13)); 200*250	3.00	EA	-	-	-
502						
	FILTERBOX(PRE+MIDIUM(MERV13)); 250*200	1.00	EA	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

503						
504	FILTERBOX(PRE+MIDIUM(MERV13)); 350*200	1.00	EA	-	-	-
505						
506	FILTERBOX(PRE+MIDIUM(MERV13)); 350*250	1.00	EA	-	-	-
	FILTERBOX(PRE+MIDIUM(MERV13)); 500*300	2.00	EA	-	-	-
	FILTERBOX(PRE+MIDIUM(MERV13)); 500*400	1.00	EA	-	-	-
	FILTERBOX PRE(WASHABLE TYPE); 200*250	1.00	EA	-	-	-

Item	Description	Qty	Unit	Material Rate	Labor Rate	Expense Rate	Unit Rate	Amount(FCFA)
	FILTERBOX PRE(WASHABLE TYPE); 250*200	1.00	EA				-	-
	FILTERBOX PRE(WASHABLE TYPE); 350*200	1.00	EA				-	-
507								
508	FILTERBOX PRE(WASHABLE TYPE); 350*250	2.00	EA				-	-
509	FILTERBOX PRE(WASHABLE TYPE); 500*300	2.00	EA				-	-
510	LABOR; COMMON LABOR	9.00	M/D				-	-
511	LABOR; DUCT WORKER	107.00	M/D				-	-
512	TOOL CHARGE; LABOR COST 2%	1.00	L/S				-	-
513	**0104 E.H.P WORK**							
	Supply and Installation of Equipment							
514	Outdoor Unit_Single; Cooling Capacity 5.2 kW	28.00	EA				-	-
515	Outdoor Unit_Single; Cooling Capacity 7.0 kW	3.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

516	Outdoor Unit_Single; Cooling Capacity 10.5 kW	6.00	EA	-	-
517	Outdoor Unit_Single; Cooling Capacity 14.0 kW	4.00	EA	-	-
518	Outdoor Unit_Single; Cooling Capacity 13.5 kW	3.00	EA	-	-
519	Indoor Unit_ 4Way Cassette; Cooling Capacity 5.2 kW	28.00	EA	-	-
520	Indoor Unit_ 4Way Cassette; Cooling Capacity 7.8 kW	3.00	EA	-	-
521	Indoor Unit_ 4Way Cassette; Cooling Capacity 10.5 kW	6.00	EA	-	-
522	Indoor Unit_ 4Way Cassette; Cooling Capacity 14.0 kW	4.00	EA	-	-
523	Indoor Unit_ Floor Mounted; Cooling Capacity 13.5 kW	3.00	EA	-	-
524	Heat Recovery Ventilator; AIR FLOW RATE 350CMH	1.00	EA	-	-
525	Heat Recovery Ventilator; AIR FLOW RATE 500CMH	1.00	EA	-	-
526	Heat Recovery Ventilator; AIR FLOW RATE 800CMH	2.00	EA	-	-
527	System Airconditioner Accessor; Panel(4 Way Cassette)	41.00	EA	-	-
528	System Airconditioner Controll; Centralized Contorl	1.00	EA	-	-
529	System Airconditioner Controll; New Standard wired Remote Cont	45.00	EA	-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
	Installation of Ref. pipe;							
530	Cu Pipe; 6.35(1/4)	507.00	m				-	-
531	Cu Pipe; 9.52(3/8)	482.00	m				-	-
532	Cu Pipe; 12.7(1/2)	507.00	m				-	-
533	Cu Pipe; 15.88(5/8)	381.00	m				-	-
534	Cu Pipe; 19.05(3/4)	101.00	m				-	-
535	Additional refrigerant; R-410	17.00	Kg				-	-
	Installation of Drain pipe;							

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

536	PVC Pipe (VG1); 25 (1)	342.00	m				-	-
537	PVC Pipe (VG1); 32 (1-1/4)	46.00	m				-	-
538	PVC Pipe (VG1); 40 (1-1/2)	14.00	m				-	-
539	PVC Pipe (VG1); 65 (2-5/8)	12.00	m				-	-
540	Installation of Control Wiring;							-
541	Control Cable Wiring; TFR- CV 2.5 ㎟/3C	450.00	m				-	-
542	Control Cable Wiring; VCTF-SB 1.5 ㎟ * 2C_Shield	1,088.00	m				-	-
543	Control Cable Wiring; VCTF-SB 1.5 ㎟ * 2C_Shield	500.00	m				-	-
	0105 MEDICAL GAS WORK							
	A. EQUIPMENT;							
544	OXYGEN MANIFOLD UNIT; MS-CPS MS-MF-M-O2-20	1.00	SET				-	-
545	5HP DUPLEX OILLESS RECIPROCATI; MS-CPS MS-AC-R5D	1.00	SET				-	-
546	3.0KW DUPLEX CLAW TYPE; MS-CPS MS-VP-O7(5)D	1.00	SET				-	-
547	MASTER ALARM UNIT; MS-CPS MS-MA-3	1.00	SET				-	-
548	SHUT OFF VALVE; MS-CPS MS-SV-3	4.00	SET				-	-
549	AREA ALARM UNIT; MS-CPS MS-AA-3	4.00	SET				-	-
550	FAIR FIELD SYSTEM; MS-CPS MS-FF-2	26.00	SET				-	-
551	FAIR FIELD SYSTEM; MS-CPS MS-FF-3	16.00	SET				-	-
552	WALL OUTLET UNIT; MS-CPS MS-WO-2	1.00	SET				-	-
553	WALL OUTLET UNIT; MS-CPS MS-WO-3	3.00	SET				-	-
554	CEILING HOSE SPRING TYPE; MS-CPS MS-CH-S3	3.00	SET				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
555	TOOL CHARGE; TOOL CHARGE	1.00	L/S				-	-
556	B. Piping Work;							-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

557	Copper Pipe - L Type; 10	462.00	M
558	Copper Pipe - L Type; 15	469.00	M
559	Copper Pipe - L Type; 20	512.00	M
560	Copper Pipe - L Type; 25	291.00	M
561	Copper Pipe - L Type; 32	141.00	M
562	Copper Pipe - L Type; 40	28.00	M
563	Copper Pipe Fitting - Elbow; 10	239.00	EA
564	Copper Pipe Fitting - Elbow; 15	240.00	EA
565	Copper Pipe Fitting - Elbow; 20	240.00	EA
566	Copper Pipe Fitting - Elbow; 25	127.00	EA
567	Copper Pipe Fitting - Elbow; 32	58.00	EA
568	Copper Pipe Fitting - Elbow; 40	10.00	EA
569	Copper Pipe Fitting - Tee; 15	35.00	EA
570	Copper Pipe Fitting - Tee; 20	64.00	EA
571	Copper Pipe Fitting - Tee; 25	39.00	EA
572	Copper Pipe Fitting - Tee; 32	13.00	EA
573	Copper Pipe Fitting - Tee; 40	2.00	EA
574	Copper Pipe Fitting - Reducer; 15	94.00	EA
575	Copper Pipe Fitting - Reducer; 20	106.00	EA
576	Copper Pipe Fitting - Reducer; 25	48.00	EA
577	Copper Pipe Fitting - Reducer; 32	15.00	EA
578	Copper Pipe Fitting - Reducer; 40	2.00	EA
579	Copper Pipe Fitting - Socket; 10	77.00	EA
580	Copper Pipe Fitting - Socket; 15	78.00	EA

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

581	Copper Pipe Fitting - Socket; 20	85.00	EA			-	-
582	Copper Pipe Fitting - Socket; 25	48.00	EA			-	-
583	Copper Pipe Fitting - Socket; 32	23.00	EA			-	-
584	Copper Pipe Fitting - Socket; 40	4.00	EA			-	-
585	VALVE INSTALLATION; 20	3.00	SET			-	-
586	VALVE INSTALLATION; 25	6.00	SET			-	-
587	VALVE INSTALLATION; 32	4.00	SET			-	-
588	VALVE INSTALLATION; 40	1.00	SET			-	-
589	WELDING PLACE; 10	632.00	POINT			-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
590	WELDING PLACE; 15	929.00	POINT				-	-
591	WELDING PLACE; 20	1,060.00	POINT				-	-
592	WELDING PLACE; 25	575.00	POINT				-	-
593	WELDING PLACE; 32	239.00	POINT				-	-
594	WELDING PLACE; 40	40.00	POINT				-	-
595	PIPE HANGER (INSUL) (EPDM); 15	312.00	SET				-	-
596	PIPE HANGER (INSUL) (EPDM); 20	341.00	SET				-	-
597	PIPE HANGER (INSUL) (EPDM); 25	121.00	SET				-	-
598	PIPE HANGER (INSUL) (EPDM); 32	58.00	SET				-	-
599	PIPE HANGER (INSUL) (EPDM); 40	11.00	SET				-	-
600	PIPE BLOWING; 10	462.00	M				-	-
601	PIPE BLOWING; 15	469.00	M				-	-
602	PIPE BLOWING; 20	512.00	M				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

603	PIPE BLOWING; 25	291.00	M	-	-
604	PIPE BLOWING; 32	141.00	M	-	-
605	PIPE BLOWING; 40	28.00	M	-	-
606	PIPING AIRTIGHTNESS TEST; 10	462.00	M	-	-
607	PIPING AIRTIGHTNESS TEST; 15	469.00	M	-	-
608	PIPING AIRTIGHTNESS TEST; 20	512.00	M	-	-
609	PIPING AIRTIGHTNESS TEST; 25	291.00	M	-	-
610	PIPING AIRTIGHTNESS TEST; 32	141.00	M	-	-
611	PIPING AIRTIGHTNESS TEST; 40	28.00	M	-	-
612	WIRE TUBE AND WIRE;	95.00	M	-	-
613	COST for MISC.MATERIAL; PIPE COST 5%	1.00	L/S	-	-
614	TOOL CHARGE; LABOR COST 3%	1.00	L/S	-	-
	Carried to Summary				-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Item	Description			Cost Rate	Expense Rate	Unit Rate	Amount (FCFA)
	ELECTRICAL WORKS						
	1-1.SUBSTATION WORK						
1	RIGID GALVANIZED STEEL CONDUIT; 16 ㎜	52.00	M			-	-
2	HI PVC CONDUIT; 16 ㎜	44.00	M			-	-
3	HI PVC CONDUIT; 28 ㎜	158.00	M			-	-
4	HI PVC CONDUIT; 42 ㎜	81.00	M			-	-
5	ELP CONDUIT; 150 ㎜	38.00	M			-	-
6	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS			-	-
7	HI_PVC BEND; 28 ㎜	4.00	EA			-	-
8	HI_PVC BEND; 42 ㎜	3.00	EA			-	-
9	PULL BOX(Steel); 600*600*400 ㎜	2.00	EA			-	-
10	CU/PVC WIRE; 6 ㎟	63.00	M			-	-
11	GROUNDING WIRE [F-GV]; 0.6/1KV, 16 ㎟	44.00	M			-	-
12	GROUNDING WIRE [F-GV]; 0.6/1KV, 50 ㎟	421.00	M			-	-
13	GROUNDING WIRE [F-GV]; 0.6/1KV, 185 ㎟	86.00	M			-	-
14	CU/XLPE/FLR/PVC CABLE; 1C-240 ㎟	669.00	M			-	-
15	CU/XLPE/FR/PVC CABLE; 1C-150 ㎟	393.00	M			-	-
16	STP CABLE; Cat.5E 0.5 ㎜ 4P	28.00	M			-	-
17	WATER STOP ROD; 18Φ*500 ㎜	9.00	EA			-	-
18	GROUND TERMINAL BOX(SUS); 9CCT	1.00	SET			-	-
19	LUG TERMINAL; 1 HOLE 50 ㎟	4.00	EA			-	-
20	LUG TERMINAL; 1 HOLE 185 ㎟	5.00	EA			-	-
21	LUG TERMINAL; 2 HOLE 150 ㎟	32.00	EA			-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

22	LUG TERMINAL; 2 HOLE 240㎟	16.00	EA				-	-
23	CRIMP SLEEVE; 'C'TYPE 70㎟	4.00	EA				-	-
24	CRIMP SLEEVE; 'C'TYPE 185㎟	3.00	EA				-	-
25	WARNING BINYL TPAE(LV); 300*250	37.00	M				-	-
26	CONDUIT CEILING SUPPORT; 16 C	11.00	SET				-	-
27	MAN HOLE; 1000x1000x1000	5.00	SET				-	-
28	PIPELINE WATERPROOF; D150	16.00	SET				-	-
29	BED EXCAVATION(B:80%,M:20%); USUALLY SOIL	73.00	㎥				-	-
30	BACKFILL,COMPACT(B:80%,M:20%); USUALLY SOIL	73.00	㎥				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
31	GROUND ROD; 14Φ * 1000㎜ 1SET	2.00	LS				-	-
32	CUBICLE; LV-1	1.00	SET				-	-
33	CUBICLE; LV-2	1.00	SET				-	-
34	CUBICLE; LV-3	1.00	SET				-	-
35	CUBICLE; LV-UPS	1.00	SET				-	-
36	EMERGENCY GENERATOR (W/GV-1,FUEL TANK 1,000L); 300KW	1.00	SET				-	-
37	UPS(W/BATTERY,MBP); 80KVA	1.00	SET				-	-
38	CUBICLE; SS-1	1.00	SET				-	-
39	XLPE/Cu/CWS/PE 18/30(36)kV; 1C-70㎟	384.00	M				-	-
40	ELP CONDUIT; 65㎜	38.00	M				-	-
41	ELP CONDUIT; 125㎜	103.00	M				-	-
42	CABLE HEAD; AUTO. SHINKAGE, 23kV 1C*70㎟	12.00	EA				-	-
43	WARNING BINYL TPAE(EHV); 300*250	50.00	M				-	-
44	UNDERGROUND INDICATOR(ELEC); ALL SIZE	5.00	EA				-	-
	1-2.FEEDER WORK							
45	RIGID GALVANIZED STEEL CONDUIT; 16㎜	14.00	M				-	-

DESIGN GROUP FIVE

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
46	RIGID GALVANIZED STEEL CONDUIT; 28 mm	30.00	M				-	-
47	RIGID GALVANIZED STEEL CONDUIT; 36 mm	59.00	M				-	-
48	RIGID GALVANIZED STEEL CONDUIT; 42 mm	43.00	M				-	-
49	RIGID GALVANIZED STEEL CONDUIT; 54 mm	8.00	M				-	-
50	ELP CONDUIT; 40 mm	35.00	M				-	-
51	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS				-	-
52	STEEL BEND; 28 mm	4.00	EA				-	-
53	STEEL BEND; 36 mm	9.00	EA				-	-
54	STEEL BEND; 42 mm	10.00	EA				-	-
55	STEEL BEND; 54 mm	2.00	EA				-	-
56	PULL BOX(Steel); 200*200*150 mm	8.00	EA				-	-
57	GROUNDING WIRE [F-GV]; 0.6/1KV, 2.5 mm²	19.00	M				-	-
58	GROUNDING WIRE [F-GV]; 0.6/1KV, 4 mm²	19.00	M				-	-
59	GROUNDING WIRE [F-GV]; 0.6/1KV, 6 mm²	70.00	M				-	-
60	GROUNDING WIRE [F-GV]; 0.6/1KV, 10 mm²	122.00	M				-	-
61	GROUNDING WIRE [F-GV]; 0.6/1KV, 16 mm²	11.00	M				-	-
62	GROUNDING WIRE [F-GV]; 0.6/1KV, 35 mm²	9.00	M				-	-
63	CU/XLPE/FLR/PVC CABLE; 1C-70 mm²	428.00	M				-	-
64	CU/XLPE/FLR/PVC CABLE; 2C-2.5 mm²	65.00	M				-	-
65	CU/XLPE/FLR/PVC CABLE; 2C-4 mm²	65.00	M				-	-
66	CU/XLPE/FLR/PVC CABLE; 4C-6 mm²	185.00	M				-	-
67	CU/XLPE/FLR/PVC CABLE; 4C-10 mm²	530.00	M				-	-
68	CU/XLPE/FLR/PVC CABLE; 4C-25 mm²	104.00	M				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

69	CU/XLPE/FLR/PVC CABLE; 4C-35 ㎟	48.00	M				-	-
70	CU/XLPE/FR/PVC CABLE; 1C-50 ㎟	206.00	M				-	-
71	CU/XLPE/FR/PVC CABLE; 4C-10 ㎟	186.00	M				-	-
72	CU/XLPE/FR/PVC CABLE; 4C-25 ㎟	40.00	M				-	-
73	CU/XLPE/FR/PVC CABLE; 4C-35							
74	COMPUTER CABLE-SHIELD; 20#, 12C-0.5 ㎟	18.00	M				-	-
75	LUG TERMINAL; 1 HOLE 10 ㎟	120.00	EA				-	-
76	LUG TERMINAL; 1 HOLE 25 ㎟	32.00	EA				-	-
77	LUG TERMINAL; 1 HOLE 35 ㎟	8.00	EA				-	-
78	LUG TERMINAL; 1 HOLE 50 ㎟	8.00	EA				-	-
79	LUG TERMINAL; 1 HOLE 70 ㎟	32.00	EA				-	-
80	SOLDERLESS TERMINAL; 10 ㎟	15.00	EA				-	-
81	SOLDERLESS TERMINAL; 16 ㎟	5.00	EA				-	-
82	SOLDERLESS TERMINAL; 25 ㎟	1.00	EA				-	-
83	SOLDERLESS TERMINAL; 35 ㎟	4.00	EA				-	-
84	CRIMP SLEEVE; 'C'TYPE 35 ㎟	33.00	EA				-	-
85	CONDUIT CEILING SUPPORT; 16 C	1.00	SET				-	-
86	CONDUIT CEILING SUPPORT; 28 C	9.00	SET				-	-
87	CONDUIT CEILING SUPPORT; 36 C	9.00	SET				-	-
88	CONDUIT CEILING SUPPORT; 42 C	9.00	SET				-	-
89	CONDUIT CEILING SUPPORT; 54 C	2.00	SET				-	-
90	FLOOR EXPOSE CONDUIT SUPPORT; W 200	13.00	SET				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
91	PIPELINE WATERPROOF; D50	8.00	SET				-	-
92	MCC; MCCE-GF	1.00	SET				-	-
93	MCC; MCCF-RF	1.00	SET				-	-

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

94	PANEL; LE-1F	1.00	SET	-	-	-
95	PANEL; LE-2F	1.00	SET	-	-	-
96	PANEL; LE-3F	1.00	SET	-	-	-
97	PANEL; LE-4F	1.00	SET	-	-	-
98	PANEL; LE-ELEC	1.00	SET	-	-	-
99	PANEL; LE-GF	1.00	SET	-	-	-
100	PANEL; LN-M-Shop	1.00	SET	-	-	-
101	PANEL; LU-1F	1.00	SET	-	-	-
102	PANEL; LU-2F	1.00	SET	-	-	-
103	PANEL; LU-3F	1.00	SET	-	-	-
104	PANEL; LU-4F	1.00	SET	-	-	-
105	PANEL; LU-CR	1.00	SET	-	-	-
106	PANEL; LU-GF	1.00	SET	-	-	-
107	PANEL; PE-2F	1.00	SET	-	-	-
108	PANEL; PE-3F	1.00	SET	-	-	-
109	PANEL; PE-4F-ELEV	1.00	SET	-	-	-
110	PANEL; PN-2F-1	1.00	SET	-	-	-
111	PANEL; PN-2F-2	1.00	SET	-	-	-
112	PANEL; PN-2F-M	1.00	SET	-	-	-
113	PANEL; PN-3F	1.00	SET	-	-	-
114	PANEL; PN-GF	1.00	SET	-	-	-
115	PANEL; PN-RF-1	1.00	SET	-	-	-
116	PANEL; PN-RF-2	1.00	SET	-	-	-
[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
118	GROUNDING WIRE [F-GV]; 0.6/1KV, 25 ㎟	2.00	M	-	-	-
119	GROUNDING WIRE [F-GV]; 0.6/1KV, 50 ㎟	2.00	M	-	-	-
120	CU/XLPE/FR/PVC CABLE; 0.6/1KV, 1C-95 ㎟	190.00	M	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

121	LUG TERMINAL; 0.6/1KV, 1 HOLE 95 ㎟	8.00	EA				-	-
122	SOLDERLESS TERMINAL; 50 ㎟	1.00	EA				-	-
123	CRIMP SLEEVE; 'C'TYPE 50 ㎟	1.00	EA				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
	1-3.POWER WORK							
124	RIGID GALVANIZED STEEL CONDUIT; 28 ㎜	466.00	M				-	-
125	RIGID GALVANIZED STEEL CONDUIT; 36 ㎜	78.00	M				-	-
126	CD CONDUIT; 16 ㎜	464.00	M				-	-
127	FLEXIBLE CONDUIT; 16 ㎜	112.00	M				-	-
128	FLEXIBLE CONDUIT; 28 ㎜, Waterproof	114.00	M				-	-
129	FLEXIBLE CONDUIT; 36 ㎜, Waterproof	15.00	M				-	-
130	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS				-	-
131	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS				-	-
132	FLEXIBLE BOX CONNECTOR; 16 ㎜	102.00	EA				-	-
133	FLEXIBLE BOX CONNECTOR; 28 ㎜, Waterproof	104.00	EA				-	-
134	FLEXIBLE BOX CONNECTOR; 36 ㎜, Waterproof	14.00	EA				-	-
135	STEEL BEND; 28 ㎜	100.00	EA				-	-
136	STEEL BEND; 36 ㎜	12.00	EA				-	-
137	CONCRETE OUTLET BOX; Square, 54 ㎜	54.00	EA				-	-
138	SWITCH BOX; 1Way, 54 ㎜	51.00	EA				-	-
139	OUTLET BOX COVER; Square, Plat	54.00	EA				-	-
140	PULL BOX(Steel); 100*100*100 ㎜	46.00	EA				-	-
141	PULL BOX(Steel); 200*200*150 ㎜	5.00	EA				-	-
142	PULL BOX(Steel); 300*300*200 ㎜	2.00	EA				-	-
143	CU/PVC WIRE; 2.5 ㎟	695.00	M				-	-

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

144	GROUNDING WIRE [F-GV]; 0.6/1KV, 2.5 mm²	171.00	M			-	-
145	GROUNDING WIRE [F-GV]; 0.6/1KV, 4 mm²	562.00	M			-	-
146	GROUNDING WIRE [F-GV]; 0.6/1KV, 6 mm²	22.00	M			-	-
147	CU/XLPE/FLR/PVC CABLE; 2C-4 mm²	886.00	M			-	-
148	CU/XLPE/FLR/PVC CABLE; 3C-2.5 mm²	383.00	M			-	-
149	CU/XLPE/FLR/PVC CABLE; 4C-4 mm²	227.00	M			-	-
150	CU/XLPE/FLR/PVC CABLE; 4C-6 mm²	46.00	M			-	-
[illegible]	[illegible]						
152	CU/XLPE/FR/PVC CABLE; 3C-4 mm²	50.00	M			-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
[illegible]								
154	CRIMP SLEEVE; 'C'TYPE 35 mm²	26.00	EA				-	-
155	CONDUIT CEILING SUPPORT; 28 C	68.00	SET				-	-
156	CONDUIT CEILING SUPPORT; 36 C	14.00	SET				-	-
157	FLOOR EXPOSE CONDUIT SUPPORT; W 200	87.00	SET				-	-
158	POWER CONDUIT SUPPORT; 36C	3.00	SET				-	-
159	FLEXIBLE CONDUIT; 28 mm	3.00	M				-	-
160	FLEXIBLE BOX CONNECTOR; 28 mm	6.00	EA				-	-
	1-4.LIGHTING WORK							-
161	CD CONDUIT; 16 mm	2,153.00	M				-	-
162	CD CONDUIT; 22 mm	289.00	M				-	-
163	CD CONDUIT; 28 mm	6.00	M				-	-
164	FLEXIBLE CONDUIT; 16 mm	893.00	M				-	-
165	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS				-	-
166	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

167	FLEXIBLE BOX CONNECTOR; 16 ㎜	812.00	EA				-	-
168	CONCRETE OUTLET BOX; Octagonal, 54 ㎜	474.00	EA				-	-
169	CONCRETE OUTLET BOX; Square, 54 ㎜	51.00	EA				-	-
170	SWITCH BOX; 1Way, 54 ㎜	97.00	EA				-	-
171	SWITCH BOX; 2Way, 54 ㎜	15.00	EA				-	-
172	OUTLET BOX COVER; Octagonal,Plat	474.00	EA				-	-
173	OUTLET BOX COVER; Square, Plat	51.00	EA				-	-
174	CU/PVC WIRE; 2.5 ㎟	11,465.00	M				-	-
175	WIDE SWITCH; 1GANG-15A-250V, 1WAY	39.00	EA				-	-
176	WIDE SWITCH; 2GANG-15A-250V, 1WAY	28.00	EA				-	-
177	WIDE SWITCH; 3GANG-15A-250V, 1WAY	22.00	EA				-	-
178	WIDE SWITCH; 4GANG-15A-250V, 1WAY	8.00	EA				-	-
179	WIDE SWITCH; 5GANG-15A-250V, 1WAY	3.00	EA				-	-
180	WIDE SWITCH; 6GANG-15A-250V, 1WAY	1.00	EA				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
181	WIDE SWITCH; 1GANG-15A-250V, 3WAY	2.00	EA				-	-
182	BOX HOLE OPEN; VARIOUS	104.00	LS				-	-
183	DIMMER SWITCH; 1WAY	6.00	EA				-	-
184	LIGHTING FIXTURE[L1]; LED 40W	22.00	EA				-	-
185	LIGHTING FIXTURE[L2]; LED 40W	39.00	EA				-	-
186	LIGHTING FIXTURE[L3]; LED 40W	237.00	EA				-	-
187	LIGHTING FIXTURE[L4]; LED 15W	104.00	EA				-	-
188	LIGHTING FIXTURE[L5]; LED 10W	10.00	EA				-	-
189	LIGHTING FIXTURE[L7]; LED 50W	42.00	EA				-	-
190	LIGHTING FIXTURE[L8]; UV 2/15W	3.00	EA				-	-

191	LIGHTING FIXTURE[L9]; LED 10W	3.00	EA				-	-
	1-5.RECEPTABLE WORK							
	CD CONDUIT; 16 ㎜	2,149.00	M				-	-
192	FLEXIBLE CONDUIT; 28 ㎜	127.00	M				-	-
193	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS				-	-
194	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS				-	-
195	FLEXIBLE BOX CONNECTOR; 28 ㎜	230.00	EA				-	-
196	CONCRETE OUTLET BOX; Square, 54 ㎜	283.00	EA				-	-
197	SWITCH BOX; 1Way, 54 ㎜	272.00	EA				-	-
198	SWITCH BOX; 2Way, 54 ㎜	32.00	EA				-	-
199	OUTLET BOX COVER; Square, Plat	280.00	EA				-	-
200	OUTLET BOX COVER; 2Way s/w, Round hole(Concacv)	32.00	EA				-	-
201	OUTLET BOX COVER; Con_cover	3.00	EA				-	-
202	PULL BOX(Steel); 100*100*100 ㎜	3.00	EA				-	-
203	SYSTEM BOX; WITH CONCRETE FLOOR	4.00	EA				-	-
204	CU/PVC WIRE; 2.5 ㎟	5,946.00	M				-	-
205	CU/PVC WIRE; 4 ㎟	666.00	M				-	-
206	CU/XLPE/FLR/PVC CABLE; 3C-2.5 ㎟	2,301.00	M				-	-
207	CU/XLPE/FLR/PVC CABLE; 3C-4 ㎟	1,001.00	M				-	-
208	RECEPTACLE; ENCASED-GROUND 15A 250V 2GANG	256.00	EA				-	-
209	[redacted]	[redacted]	EA					

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
211	WATERPROOF RECEPTACLE; ENCASED-GROUND 15A 250V 1GANG	6.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

212	WATERPROOF RECEPTACLE; ENCASED-GROUND 15A 250V 2GANG	13.00	EA	-	-
213	CD CONDUIT; 28 ㎜	36.00	M	-	-
214	GROUNDING WIRE [F-GV]; 0.6/1KV, 10 ㎟	23.00	M	-	-
215	CU/XLPE/FLR/PVC CABLE; 4C-10 ㎟	55.00	M	-	-
216	RIGID GALVANIZED STEEL CONDUIT; 42 ㎜	21.00	M	-	-
217	STEEL BEND; 42 ㎜	2.00	EA	-	-
218	PULL BOX(Steel); 200*200*150 ㎜	2.00	EA	-	-
219	LUG TERMINAL; 1 HOLE 10 ㎟	16.00	EA	-	-
220	SOLDERLESS TERMINAL; 10 ㎟	2.00	EA	-	-
221	CRIMP SLEEVE; 'C'TYPE 35 ㎟	2.00	EA	-	-
222	CONDUIT CEILING SUPPORT; 42 C	6.00	SET	-	-
223	CU/PVC WIRE; 6 ㎟	109.00	M	-	-
224	CU/XLPE/FLR/PVC CABLE; 3C-6 ㎟	101.00	M	-	-
225	junction box: Ceiling Pendant power	3.00	EA	-	-
226	2-RECEPTACLE; X-RAY Power 250V-32A	3.00	EA		
227	4-RECEPTACLE; Surgery Power 250V-15A	18.00	EA		
	1-6.LIGHTNING & EARTHING WORK				
228	HI PVC CONDUIT; 28 ㎜	113.00	M	-	-
229	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS	-	-
230	HI_PVC BEND; 28 ㎜	3.00	EA	-	-
231	GROUNDING WIRE [F-GV]; 0.6/1KV, 50 ㎟	120.00	M	-	-
232	ELECTRIC WIRE [BC]; 70 ㎟	295.00	M	-	-
233	WATER STOP ROD; 18Φ*500 ㎜	3.00	EA	-	-

DESIGN GROUP FIVE

234	GROUND AUGMENTATION MATERIAL; ECO-FRIENDLY, 20Kg	54.00	Bag		-	-
235	LIGHTNING STS RODS; 8Φ	115.00	M		-	-
236	LIGHTNING ROD CABLE SUPPORT; CABLE,16~70 ㎟	57.00	EA		-	-
237	T-BRANCH CONNECTOR; Bus Bar, T-Cable	10.00	EA		-	-
238	GROUND TERMINAL BOX(SUS); 1CCT	1.00	SET		-	-
239	GROUND TERMINAL BOX(SUS); 3CCT	1.00	SET		-	-

Item	Description			Labour Rate Expense Rate	Unit Rate	Amount (FCFA)
240	CRIMP SLEEVE; 'C"TYPE 70㎟	17.00	EA		-	-
241	REBAR CLAMP;	19.00	EA		-	-
242	GROUND ROD; 18Φ * 2400㎜ 3SET	7.00	LS		-	-
243	LIGHTNING ROD; 4m	1.00	LS		-	-
244	EXOTHERMIC WELDING; '-"TPYE SOLDERED JOINT	9.00	LS		-	-
	1-7.CABLE TRAY WORK					
245	CABLE TRAY(ST); W300*H100*2.3t	188.00	M		-	-
246	CABLE TRAY(ST); W400xH100x2.3t	65.00	M		-	-
247	CABLE TRAY(ST); W600*H100*2.3t	135.00	M		-	-
248	CABLE TRAY COVER(ST); W300	11.00	M		-	-
249	CABLE TRAY - H.ELBOW(ST); W300*H100*2.3t	5.00	EA		-	-
250	CABLE TRAY - H.ELBOW(ST); W400xH100x2.3t	1.00	EA		-	-
251	CABLE TRAY - H.ELBOW(ST); W600*H100*2.3t	5.00	EA		-	-
252	CABLE TRAY - V.ELBOW(ST); W300*H100*2.3t	22.00	EA		-	-
253	CABLE TRAY - V.ELBOW(ST); W400xH100x2.3t	4.00	EA		-	-
254	CABLE TRAY - V.ELBOW(ST); W600*H100*2.3t	6.00	EA		-	-
255	CABLE TRAY - H.TEE(ST); W300*H100*2.3t	8.00	EA		-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

256	CABLE TRAY - H.TEE(ST); W400xH100x2.3t	2.00	EA		-	-
257	CABLE TRAY - H.TEE(ST); W600*H100*2.3t	16.00	EA		-	-
258	CABLE TRAY FITTING(ST); JOINT CONNEC,100H*2.3	243.00	EA		-	-
259	CABLE TRAY FITTING(ST); SHANK BOLT & NUT	4,243.00	EA		-	-
	CABLE TRAY FITTING; BONDING JUMPER, 38 ㎜	243.00	EA		-	-
	CABLE TRAY(SUS) W300xH100x2.3t	71	M			
	CABLE TRAY COVER(SUS) W300	71	M			
260						
261	CABLE TRAY ELBOW(SUS) W300xH100x2.3t	1	EA			
262						
263	CABLE TRAY FITTING(SUS) JOINT CONNEC,100H*2.3	4	EA			
264						
265	CABLE TRAY FITTING(SUS) SHANK BOLT & NUT	8	EA			

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
266	GROUNDING WIRE [F-GV]; 0.6/1KV, 35 ㎟	417.00	M				-	-
267	TRAY,DUCT CEILING SUPPORT; W300	79.00	SET				-	-
268	TRAY,DUCT CEILING SUPPORT; W400	33.00	SET				-	-
269	TRAY,DUCT CEILING SUPPORT; W600	55.00	SET				-	-
270	TRAY,DUCT WALL SUPPORT; W300	40.00	SET				-	-
271	TRAY,DUCT WALL SUPPORT; W400	14.00	SET				-	-
272	TRAY,DUCT WALL SUPPORT; W600	16.00	SET				-	-
273	FIRE PARTITION; W600 x H100 ㎜	5.00	SET				-	-
274	CABLE DUCT(ST); W400	10.00	M				-	-
275	CABLE DUCT V.ELBOW(ST); W400	2.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON Design Group

276	CABLE DUCT CONNECTOR(ST); W400	2.00	EA			-	-
277	CABLE DUCT COVER CONNECTOR(ST)' W400 BAND TYPE	2.00	EA			-	-
278	CABLE DUCT H.ELBOW(ST); W400	1.00	EA			-	-
	INFORMATION & COMMUNICATION WORKS						
	1-1.COMMUNICATION WORK						
279	RIGID GALVANIZED STEEL CONDUIT; 36 mm	37.00	M			-	-
280	CD CONDUIT; 16 mm	448.00	M			-	-
281	CD CONDUIT; 22 mm	209.00	M			-	-
282	CD CONDUIT; 28 mm	30.00	M			-	-
283	FLEXIBLE CONDUIT; 16 mm	29.00	M			-	-
284	FLEXIBLE CONDUIT; 22 mm	22.00	M			-	-
285	FLEXIBLE CONDUIT; 28 mm	6.00	M			-	-
286	FLEXIBLE BOX CONNECTOR; 16 mm	52.00	EA			-	-
287	FLEXIBLE BOX CONNECTOR; 22 mm	40.00	EA			-	-
288	FLEXIBLE BOX CONNECTOR; 28 mm	10.00	EA			-	-
289	CORRUGATED OPTIC DUCT; COD 36 mm*4L	52.00	M			-	-
290	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS			-	-
291	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS			-	-
292	CONCRETE OUTLET BOX; Square, 54 mm	114.00	EA			-	-
293	SWITCH BOX; 1Way, 54 mm	84.00	EA			-	-
294	SWITCH BOX; 2Way, 54 mm	2.00	EA			-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
295	OUTLET BOX COVER; Square, Flat	114.00	EA				-	-
296	OUTLET BOX COVER; 2Way s/w, Round hole(Concacv)	2.00	EA				-	-
297	PULL BOX(Steel); 600*600*400 mm	1.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

298	GROUNDING WIRE [F-GV]; 0.6/1KV, 16㎟	17.00	M	-	-	-
299	CPEV CABLE; 5P-0.65㎜	190.00	M	-	-	-
300	UTP CABLE; Cat.5E, 25P-0.5㎜	1,092.00	M	-	-	-
301	UTP CABLE; Cat.6, 4P-0.5㎜	9,312.00	M	-	-	-
302	FIBER-OPTIC CABLE; SM 12C	375.00	M	-	-	-
303	MODULAR JACK; Cat.6 1Port(D1)	9.00	EA	-	-	-
304	MODULAR JACK; Cat.6 1Port(V1)	6.00	EA	-	-	-
305	MODULAR JACK; Cat.6 2Port(D2)	2.00	EA	-	-	-
306	MODULAR JACK; Cat.6 2Port(D2) bed	22.00	EA	-	-	-
307	MODULAR JACK; Cat.6 2Port(V1,D1)	43.00	EA	-	-	-
308	MODULAR JACK; Cat.6 3Port(V1,D2)	6.00	EA	-	-	-
309	MODULAR JACK; Cat.6 4Port(V2,D2)	7.00	EA			
310	MODULAR JACK; SYSTEM BOX,Cat.6 2PORT	4.00	EA			
311	AP;	9.00	EA			
312	CRIMP SLEEVE; 'C'TYPE 35㎟	5.00	EA			
313	WARNING BINYL TPAE(COMM.); 200*250	50.00	M	-	-	-
314	CONDUIT CEILING SUPPORT; 36 C	15.00	SET	-	-	-
315	HAN HOLE(NO.3); 2000x1000x1400	1.00	SET	-	-	-
316	PIPELINE WATERPROOF; D125	3.00	SET	-	-	-
317	BED EXCAVATION(B:80%,M:20%); USUALLY SOIL	42.00	㎥	-	-	-
318	BACKFILL,COMPACT(B:80%,M:20%); USUALLY SOIL	42.00	㎥	-	-	-
319	OOPTICAL FIBER CABLE TERMINATI;	60.00	Core	-	-	-
320	OOPTICAL FIBER CABLE TEST;	60.00	Core	-	-	-
321	TERMINATION; 25P	14.00	LS	-	-	-
322	TERMINATION; 4P	203.00	LS	-	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

DESIGN GROUP FIVE

323	TEST LINE;	203.00	Port		-	-
324	PBX WORK;	1.00	L/S		-	-
325	VOICE MDF;	1.00	SET		-	-
326	DATA MDF;	1.00	SET		-	-

Item	Description			Unit Rate Expense Rate	Unit Rate	Amount (FCFA)
327	IDF RACK; IDF-GF	1.00	SET		-	-
328	IDF RACK; IDF-1F	1.00	SET		-	-
329	IDF RACK; IDF-2F	1.00	SET		-	-
330	IDF RACK; IDF-3F	1.00	SET		-	-
331	IDF RACK; IDF-4F	1.00	SET		-	-
	1-2.CATV WORK					
332	RIGID GALVANIZED STEEL CONDUIT; 16 ㎜	39.00	M		-	-
333	RIGID GALVANIZED STEEL CONDUIT; 22 ㎜	17.00	M		-	-
334	RIGID GALVANIZED STEEL CONDUIT; 36 ㎜	6.00	M		-	-
335	HI PVC CONDUIT; 16 ㎜	17.00	M		-	-
336	HI PVC CONDUIT; 22 ㎜	40.00	M		-	-
337	PE CONDUIT; 54 ㎜, Underground	53.00	M		-	-
338	CD CONDUIT; 16 ㎜	64.00	M		-	-
339	FLEXIBLE CONDUIT; 16 ㎜	8.00	M		-	-
340	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS		-	-
341	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS		-	-
342	FLEXIBLE BOX CONNECTOR; 16 ㎜	14.00	EA		-	-
343	STEEL BEND; 36 ㎜	1.00	EA		-	-
344	CONCRETE OUTLET BOX; Square, 54 ㎜	14.00	EA		-	-
345	SWITCH BOX; 1Way, 54 ㎜	4.00	EA		-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

346	OUTLET BOX COVER; Square, Plat	11.00	EA	-	-	
347	OUTLET BOX COVER; Con_cover	3.00	EA	-	-	
348	PULL BOX(Steel); 200*200*150 ㎜	1.00	EA	-	-	
349	GROUNDING WIRE [F-GV]; 0.6/1KV, 6 ㎟	22.00	M	-	-	
350	COAXIAL CABLE; 5C-HFBT	285.00	M	-	-	
351	COAXIAL CABLE; 7C-HFBT	392.00	M	-	-	
352	TV UNIT; TWO-WAY, END TERMINAL	7.00	EA	-	-	
353	SATELLITE ANTENNA; 1.8m	1.00	SET	-	-	
354	CRIMP SLEEVE; 'C'TYPE 16 ㎟	3.00	EA	-	-	
355	CONDUIT CEILING SUPPORT; 16 C	7.00	SET	-	-	
356	CONDUIT CEILING SUPPORT; 22 C	3.00	SET	-	-	

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
357	CONDUIT CEILING SUPPORT; 36 C	1.00	SET				-	-
358	PIPELINE WATERPROOF; D50	3.00	SET				-	-
359	T.V ANTENNA(SUS);	1.00	SET				-	-
360	CONNECTOR INSTRALL; 5C	14.00	SET				-	-
361	CONNECTOR INSTRALL; 7C	16.00	SET				-	-
362	HEADEND;	1.00	SET				-	-
363	TV TERMINAL BOX; TV-3F	1.00	SET				-	-
364	TV TERMINAL BOX; TV-4F	1.00	SET				-	-
365	TV TERMINAL BOX; TV-M	1.00	SET				-	-
	1-3.PUBLIC ADDRESS WORK							
366	RIGID GALVANIZED STEEL CONDUIT; 28 ㎜	33.00	M				-	-
367	RIGID GALVANIZED STEEL CONDUIT; 36 ㎜	6.00	M				-	-
368	RIGID GALVANIZED STEEL CONDUIT; 42 ㎜	2.00	M				-	-
369	RIGID GALVANIZED STEEL CONDUIT; 54 ㎜	18.00	M				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

370	HI PVC CONDUIT; 16 mm	34.00	M		-		-
371	CD CONDUIT; 16 mm	623.00	M		-		-
372	FLEXIBLE CONDUIT; 16 mm	147.00	M		-		-
373	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS		-		-
374	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS		-		-
375	FLEXIBLE BOX CONNECTOR; 16 mm	134.00	EA		-		-
376	STEEL BEND; 28 mm	6.00	EA		-		-
377	STEEL BEND; 36 mm	1.00	EA		-		-
378	STEEL BEND; 42 mm	2.00	EA		-		-
379	STEEL BEND; 54 mm	2.00	EA		-		-
380	CONCRETE OUTLET BOX; Square, 54 mm	71.00	EA		-		-
381	SWITCH BOX; 1Way, 54 mm	12.00	EA		-		-
382	OUTLET BOX COVER; Square, Plat	4.00	EA		-		-
383	OUTLET BOX COVER; Square, Round hole(Plat)	67.00	EA		-		-
384	CU/PVC WIRE; 1.5 ㎟	1,670.00	M		-		-
385	GROUNDING WIRE [F-GV]; 0.6/1KV, 6 ㎟	44.00	M		-		-
386	CU/XLPE/FR/PVC CABLE; 5C-2.5 ㎟	15.00	M		-		-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
387	CU/XLPE/FR/PVC CABLE; 6C-2.5 ㎟	301.00	M				-	-
388	CU/XLPE/FR/PVC CABLE; 8C-2.5 ㎟	65.00	M				-	-
389	CU/XLPE/FR/PVC CABLE; 20C-2.5 ㎟	13.00	M				-	-
390	CU/XLPE/FR/PVC CABLE; 30C-2.5 ㎟	13.00	M				-	-
391	ATTENUATOR; ATT (SUS), SINGLE-STAGE	5.00	EA				-	-
392	SPEAKER; WOOD,WALL 3W	7.00	EA				-	-
393	SPEAKER; ROUND,CEILING 3W	67.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

394	TERMINAL BOX; 10P, SUS	5.00	SET	-	-	
395	TERMINAL BOX; 50P, SUS	1.00	SET	-	-	
396	CRIMP SLEEVE; 'C'TYPE 16 ㎟	6.00	EA	-	-	
397	CONDUIT CEILING SUPPORT; 28 C	5.00	SET	-	-	
398	CONDUIT CEILING SUPPORT; 36 C	1.00	SET	-	-	
399	CONDUIT CEILING SUPPORT; 42 C	1.00	SET	-	-	
400	CONDUIT CEILING SUPPORT; 54 C	1.00	SET	-	-	
401	PERFORATED CEILING(SPEAKER); 8" LESS	67.00	LS	-	-	
402	MAIN AMP; 360W	1.00	LS	-	-	
	1-4.NURSE CALL WORK					
403	CD CONDUIT; 16 ㎜	94.00	M	-	-	
404	CD CONDUIT; 22 ㎜	14.00	M	-	-	
405	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS	-	-	
406	SWITCH BOX; 1Way, 54 ㎜	4.00	EA	-	-	
407	SWITCH BOX; 2Way, 54 ㎜	3.00	EA	-	-	
408	OUTLET BOX COVER; 2Way s/w, Round hole(Concacv)	3.00	EA	-	-	
409	UTP CABLE; Cat.6, 4P-0.5 ㎜	160.00	M	-	-	
410	NURSE CALL;	4.00	EA	-	-	
411	NURSE CALL; ARM SWITCH 1CH	3.00	EA	-	-	
412	NURSE CALL RECEIVER;	3.00	EA	-	-	
	1-5.CCTV SYSTEM WORK					
413	RIGID GALVANIZED STEEL CONDUIT; 16 ㎜	22.00	M	-	-	
414	RIGID GALVANIZED STEEL CONDUIT; 36 ㎜	6.00	M	-	-	
415	CD CONDUIT; 16 ㎜	84.00	M	-	-	
416	FLEXIBLE CONDUIT; 16 ㎜	29.00	M	-	-	

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

417	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS	-	-
418	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS	-	-
419	FLEXIBLE BOX CONNECTOR; 16 ㎜	52.00	EA	-	-
420	CONCRETE OUTLET BOX; Square, 54 ㎜	13.00	EA	-	-
421	OUTLET BOX COVER; Square, Plat	13.00	EA	-	-
422	PULL BOX(Steel); 100*100*100 ㎜	13.00	EA	-	-
423	UTP CABLE; Cat.6, 4P-0.5 ㎜	759.00	M	-	-
424	FIBER-OPTIC CABLE; SM 4C	79.00	M	-	-
425	RELAY CABLE; RG-59	61.00	M	-	-
426	CONDUIT CEILING SUPPORT; 16 C	4.00	SET	-	-
427	CONDUIT CEILING SUPPORT; 36 C	1.00	SET	-	-
428	OOPTICAL FIBER CABLE TERMINATI;	4.00	Core	-	-
429	OOPTICAL FIBER CABLE TEST;	4.00	Core	-	-
430	CCTV MAIN RACK;	1.00	SET	-	-
431	HUB; TP8 PoE, SFP2 / F.D.F	1.00	EA	-	-
432	NETWORK DOME CAMERA;	11.00	EA	-	-
433	NETWORK ELEV CAMERA;	2.00	EA	-	-
	1-6.CABLE TRAY WORK				
	[redacted]				
	[redacted]				
	[redacted]				
	[redacted]				

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
Design Group Five
CAMEROON

439	CABLE TRAY FITTING(SUS); SHANK BOLT & NUT		EA			
440	CABLE TRAY FITTING; BONDING JUMPER, 35㎟		EA			
440	HI TEC TRAY(COATING); W300*H100*1.2t	281.00	M		-	-
441	HI TEC TRAY-H.ELBOW(COATING); W300*H100	18.00	EA		-	-
442	HI TEC TRAY-V.ELBOW(COATING); W300*H100	12.00	EA		-	-
443	HI TEC TRAY-TEE(COATING); W300*H100	6.00	EA		-	-
444	HI TEC TRAY-JOINT SET(COATING); W300*H100	168.00	EA		-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
445	HI TEC TRAY FITTING; BONDING JUMPER, FUSE	168.00	EA				-	-
446	CABLE TRAY FITTING(ST); SHANK BOLT & NUT	2,481.00	EA				-	-
447	GROUNDING WIRE [F-GV]; 0.6/1KV, 35㎟	281.00	M				-	-
448	TRAY,DUCT CEILING SUPPORT; W300	141.00	SET				-	-
449	TRAY,DUCT WALL SUPPORT; W300	27.00	SET				-	-
450	TRAY FLOOR SUPPORT; W 300	3.00	SET				-	-
451	FIRE PARTITION; W300 x H100㎜	5.00	SET				-	-
	Carried to Summary							-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
	FIRE PROTECTION WORK							
	MECHANICAL FIRE PROTECTION WORKS							
	0101 FIRE FPROTECTION EQUIPMENT							
1	FIRE FIGHTING PUMP (Including Controller) - MAIN; 260LPM*50MTS 5KW	1.00	EA				-	-
2	FIRE FIGHTING PUMP (Including Controller) - STAND-BY; 260LPM*50MTS 5KW	1.00	EA				-	-
3	FIRE FIGHTING PUMP (Including Controller) - JOCKEY; 60LPM*50MTS 2.2KW	1.00	EA				-	-
4	FIRE FIGHTING WATER TANK; 2,000W*2,500L*2,000H(STS304)	1.00	EA				-	-
5	PUMP VIBRATION; 3HP	1.00	EA				-	-
6	PUMP VIBRATION; 7.5HP	2.00	EA				-	-
7	TOOL CHARGE; LABOR COST 2%	1.00	L/S				-	-
	0102 FIRE FIGHTING PUMPING ROOM PIP							
8	GALV STEEL PIPE (SPP); D15	1.00	M				-	-
9	GALV STEEL PIPE (SPP); D20	3.00	M				-	-
10	GALV STEEL PIPE (SPP); D25	4.00	M				-	-
11	GALV STEEL PIPE (SPP); D32	1.00	M				-	-
12	GALV STEEL PIPE (SPP); D40	3.00	M				-	-
13	GALV STEEL PIPE (SPP); D50	20.00	M				-	-
14	GALV STEEL PIPE (SPP); D65	5.00	M				-	-
15	GALV STEEL PIPE (SPP); D100	7.00	M				-	-
16	COST for MISC.MATERIAL; PIPE COST 3%	1.00	L/S				-	-
17	PIPE COVER (ARTIRON+MAGIC); 25TxD15	1.00	M				-	-
18	PIPE COVER (ARTIRON+MAGIC); 25TxD32	1.00	M				-	-
19	PIPE COVER (ARTIRON+MAGIC); 25TxD50	12.00	M				-	-
20	PIPE COVER (ARTIRON+MAGIC); 40TxD100	7.00	M				-	-
21	GALV ELBOW; D15	1.00	EA				-	-

Design Group Five
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

22	GALV ELBOW; D25	6.00	EA			-	-
23	GALV ELBOW; D32	6.00	EA			-	-
24	GALV ELBOW; D40	6.00	EA			-	-
25	GALV ELBOW; D50	12.00	EA			-	-
26	GALV ELBOW; D65	2.00	EA			-	-
27	GALV ELBOW; D100	1.00	EA			-	-
28	GALV TEE; D20	3.00	EA			-	-
29	GALV TEE; D25	6.00	EA			-	-
30	GALV TEE; D100	1.00	EA			-	-
31	GALV REDUCER; D32	2.00	EA			-	-
32	GALV REDUCER; D40	4.00	EA			-	-
33	GALV CAP; D50	1.00	EA			-	-
34	GALV NIPPLE; D15	1.00	EA			-	-
35	GALV NIPPLE; D20	3.00	EA			-	-
36	GALV NIPPLE; D25	6.00	EA			-	-
37	GALV NIPPLE; D40	2.00	EA			-	-
38	GALV UNION; D15	1.00	EA			-	-
39	GALV UNION; D20	3.00	EA			-	-
40	GALV UNION; D25	6.00	EA			-	-
41	GALV UNION; D40	2.00	EA			-	-
42	STEEL PIPE WELDING; D65	4.00	POINT			-	-
43	STEEL PIPE WELDING; D100	23.00	POINT			-	-
44	STEEL FLANGE SINGLE; D25	3.00	POINT			-	-
45	STEEL FLANGE SINGLE; D32	12.00	POINT			-	-
46	STEEL FLANGE SINGLE; D40	12.00	POINT			-	-
47	STEEL FLANGE SINGLE; D65	94.00	POINT			-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)

KOICA CAMEROON

48	STEEL FLANGE (SINGLE); D100	9.00	POINT	-	-	
49	STEEL BLINED FLANGE (10KG); D100	3.00	EA	-	-	
50	BALL VALVE (10KG); D15	1.00	EA	-	-	
51	GATE VALVE (10KG); D20	3.00	EA	-	-	
52	GATE VALVE (10KG); D25	3.00	EA	-	-	
53	GATE VALVE (10KG); D32	2.00	EA	-	-	
54	GATE VALVE (10KG); D40	2.00	EA	-	-	
55	GLOBE VALVE (10KG); D40	2.00	EA	-	-	
56	SMOLEN CHECK VALVE (10KG); D32	1.00	EA	-	-	
57	SMOLEN CHECK VALVE (10KG); D50	2.00	EA	-	-	
58	W.H.C (10KG); D50	2.00	EA	-	-	
59				-	-	
60	W.H.C (10KG); D32	1.00	EA	-	-	
	STRAINER (10KG); D32	1.00	EA			
61	STRAINER (10KG); D50	2.00	EA	-	-	
62	STS FILTER MESH; D100	1.00	EA	-	-	
63	FLEXIBLE JOINT(BELLOWS); D32*10k	3.00	EA	-	-	
64	FLEXIBLE JOINT(BELLOWS); D50*10k	4.00	EA	-	-	
65	FLEXIBLE JOINT(BELLOWS); D100*10k	1.00	EA	-	-	
66	VALVE INSULATION(COLOR SHEET); SCTxD100	1.00	POINT	-	-	
67	RELIEF VALVE(FIRE); D25	3.00	EA	-	-	
68	GATE OS&Y VALVE (TEMPER S/W); D50	4.00	EA	-	-	

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
69	GATE OS&Y VALVE (TEMPER S/W); D100	1.00	EA				-	-
70	FIRE FLOW METER(FLOW CELL); D40	2.00	EA				-	-
71	PRESSURE GAUGE (W); 0-35KG/CM2	3.00	SET				-	-
72	ELECTRONIC PRESSURE SWITCH; 3EA CONTROL 10KG	1.00	EA				-	-
73	PIPE HANGER; D32	1.00	POINT				-	-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

74	PIPE HANGER; D50	2.00	POINT	-	-
75	PIPE HANGER; D65	1.00	POINT	-	-
76	PIPE HANGER; D100	1.00	POINT	-	-
77	U BOLT&NUT; D40	1.00	EA	-	-
78	U BOLT&NUT; D50	1.00	EA	-	-
79	U BOLT&NUT; D100	1.00	EA	-	-
80	PVC SLEEVE (WALL); D100	1.00	POINT	-	-
81	FIREPROOF FILLER (STEEL,WALL); D100	1.00	POINT	-	-
82	ANGLE; 50×50×6mm	46.00	KG	-	-
83	INSERT PLATE; 200x200x9T	8.00	POINT	-	-
84	READY MIXED PAINT; 2 COAT	4.00	M2	-	-
85	RUBBER PAINT; 2 COAT	3.00	M2	-	-
86	FABRICATION OF MISC.IRON WORK; GENERAL STEEL	0.04	TON	-	-
87	TOOL CHARGE; LABOR COST 2%	1.00	L/S	-	-
	0103 HYDRANT PIPING WORK				
88	GALV STEEL PIPE (SPP); D20	3.00	M	-	-
89	GALV STEEL PIPE (SPP); D50	74.00	M	-	-
90	GALV STEEL PIPE (SPP); D65	1.00	M	-	-
91	GALV STEEL PIPE (SPP); D100	78.00	M	-	-
92	COST for MISC.MATERIAL; PIPE COST 3%	1.00	L/S	-	-
93	PIPE COVER (ARTIRON+MAGIC); 25TxD50	67.00	M	-	-
94	PIPE COVER (ARTIRON+MAGIC); 25TxD65	1.00	M	-	-
95	PIPE COVER (ARTIRON+MAGIC); 40TxD100	69.00	M	-	-
96	GALV ELBOW; D50	25.00	EA	-	-
97	GALV ELBOW; D65	1.00	EA	-	-
98	GALV ELBOW; D100	11.00	EA	-	-
99	GALV TEE; D65	1.00	EA	-	-

KOICA CAMEROON Design Group Five

100	GALV TEE; D100	11.00	EA			-	-
101	GALV REDUCER; D50	7.00	EA			-	-
102	GALV REDUCER; D65	2.00	EA			-	-
103	GALV REDUCER; D100	4.00	EA			-	-
104	GALV SOCKET; D50	3.00	EA			-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
105	GALV NIPPLE; D20	1.00	EA				-	-
106	GALV NIPPLE; D40	7.00	EA				-	-
107	GALV UNION; D20	1.00	EA				-	-
108	STEEL PIPE WELDING; D65	9.00	POINT				-	-
109	STEEL PIPE WELDING; D100	67.00	POINT				-	-
110	STEEL FLANGE (SINGLE); D100	3.00	POINT				-	-
111	GATE VALVE (10KG); D20	1.00	EA				-	-
112	SMOLEN CHECK VALVE (10KG); D100	1.00	EA				-	-
113	W.H.C (10KG); D100	1.00	EA				-	-
114	HORSE REEL INDOOR HYDRANT 720x250x210(COVER STS; 25mm x 30M HOSE	7.00	POINT				-	-
115		1.00	EA				-	-
116	SIAMESE CONNECTION; 100x65x65 COUPLING (MALE) & CHAIN AUTO DRIP VALVE; D20	1.00	EA				-	-
117	FIRE EXTINGUISHER; (ABC) 3.3KG	22.00	EA				-	-
118	FIRE EXTINGUISHER SUPPORT; 3.3KG	22.00	EA				-	-
119	CLEAN AGENT GAS EXTINGUISHER; HFC-236FA 3.0KG	7.00	EA				-	-
120	FIRE PROOF SUIT;	2.00	EA				-	-
121	HEAT PROOF SUIT;	2.00	EA				-	-
122	SELF-CONTAINED BREATHING APPARRATUS	2.00	EA				-	-
123	PIPE HANGER; D50	13.00	POINT				-	-
124	PIPE HANGER; D65	1.00	POINT				-	-
125	PIPE HANGER; D100	10.00	POINT				-	-
126	U BOLT&NUT; D100	6.00	EA				-	-

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

127	STEEL PIPE SLEEVE(COLOR,WALL); D100	1.00	POINT				-	-
128	PVC SLEEVE (WALL); D50	2.00	POINT				-	-
129	PVC SLEEVE (WALL); D65	1.00	POINT				-	-
130	PVC SLEEVE (WALL); D100	2.00	POINT				-	-
131	PVC SLEEVE (FLOOR); D100	6.00	POINT				-	-
132	FIREPROOF FILLER (STEEL,WALL); D50	2.00	POINT				-	-
133	FIREPROOF FILLER (STEEL,WALL); D65	1.00	POINT				-	-
134	FIREPROOF FILLER (STEEL,WALL); D100	2.00	POINT				-	-
135	FIREPROOF FILLER (STEEL,FLOOR); D100	6.00	POINT				-	-
136	RED LEAD PAINT; 2 COAT	5.00	M2				-	-
137	PIPE COST 3%; LABOR COST 2%	1.00	L/S				-	-
	FIRE ALARM							
	1-1.FIRE ALARM							
138	STEEL CONDUIT; 16 mm	8.00	M				-	-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
139	STEEL CONDUIT; 22 mm	7.00	M				-	-
140	STEEL CONDUIT; 28 mm	10.00	M				-	-
141	STEEL CONDUIT; 36 mm	387.00	M				-	-
142	STEEL CONDUIT; 42 mm	59.00	M				-	-
143	CD CONDUIT; 16 mm	1,135.00	M				-	-
144	CD CONDUIT; 22 mm	244.00	M				-	-
145	CD CONDUIT; 28 mm	41.00	M				-	-
146	FLEXIBLE CONDUIT; 22 mm	250.00	M				-	-
147	FLEXIBLE CONDUIT; 16 mm, Waterproof	17.00	M				-	-

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

148	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS	-	-
149	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS	-	-
150	FLEXIBLE BOX CONNECTOR; 22㎜	232.00	EA	-	-
151	FLEXIBLE BOX CONNECTOR; 16㎜, Waterproof	16.00	EA	-	-
152	STEEL BEND; 28㎜	4.00	EA	-	-
153	STEEL BEND; 36㎜	32.00	EA	-	-
154	STEEL BEND; 42㎜	2.00	EA	-	-
155	CONCRETE OUTLET BOX; Octagonal, 54㎜	116.00	EA	-	-
156	SWITCH BOX; 1Way, 54㎜	22.00	EA	-	-
157	SWITCH BOX; 2Way, 54㎜	43.00	EA	-	-
158	OUTLET BOX COVER; Octagonal,Round hole(Plat)	116.00	EA	-	-
159	OUTLET BOX COVER; 1Way s/w, Round hole(Plat)	22.00	EA	-	-
160	OUTLET BOX COVER; 2Way s/w, Round hole(Plat)	43.00	EA	-	-
161	JUNCTION BOX; 100*100*50㎜, Waterproof	1.00	EA	-	-
162	PULL BOX(Steel); 100*100*50㎜	5.00	EA	-	-
163	PULL BOX(Steel); 150*150*100㎜	19.00	EA	-	-
164	PULL BOX(Steel); 200*200*200㎜	1.00	EA	-	-
165	ELECTRIC WIRE [HFIX]; 450/750V, 1.5㎟(1.38㎜)	3,157.00	M	-	-
166	ELECTRIC WIRE [HFIX]; 450/750V, 2.5㎟(1.78㎜)	3,634.00	M	-	-
167	ELECTRIC CABLE [FR-6, 0.6 1KV 4C-2.5	[illegible]	M	-	-

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON
Design Group

168	ELECTRIC CABLE [FR-8[illegible]	123.00	M		-		-
169	ELECTRIC CABLE [FR-8, 0.6/1 KV, 120-2.0	61.00	M		-		-
170	ELECTRIC CABLE [FR-8[illegible]	30.00	M		-		-

Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
171	FIRE DETECTOR; RATE OF RISE SPOT TYPE HEAT	41.00	EA				-	-
172	FIRE DETECTOR; PHOTO ELECTRIC SMOKE	75.00	EA				-	-
173	STROBE;	58.00	EA				-	-
174	FIRE ALARM CONTROL PANEL; P-TYPE (40CIRCUIT)	1.00	EA				-	-
175	POWER SUPPLY (STROBE); 15A	5.00	EA				-	-
176	RELAY [0.24A]	1.00	EA				-	-
177	CONDUIT CEILING SUPPORT; 16 C	2.00	SET				-	-
178	CONDUIT CEILING SUPPORT; 22 C	1.00	SET				-	-
179	CONDUIT CEILING SUPPORT; 28 C	1.00	SET				-	-
180	CONDUIT CEILING SUPPORT; 36 C	144.00	SET				-	-
181	CONDUIT CEILING SUPPORT; 42 C	20.00	SET				-	-
182	MANUAL CALL POINT; (INCLUDED INDOOR HYDRANT)	7.00	SET				-	-
183	MCC LINKAGE RELAY CONNECTION; MCC LINKAGE RELAY	3.00	LS				-	-
184	LINKAGE RELAY CONNECTION; SCP	1.00	LS				-	-
185	MANUAL RELAY CONNECTION; [WATER FLOW SWITCH]	1.00	LS				-	-
186	LINKAGE RELAY CONNECTION; [WATER SWITCH]	1.00	LS				-	-
187	LINKAGE RELAY CONNECTION; [PRESSURE SWITCH]	3.00	LS				-	-
188	[MISCELLANEOUS MATERIAL]; WIRE & CABLE & CONDUIT 2 %	1.00	LS				-	-
189	[TOOL LOSS]; LABOR COST 3 %	1.00	LS				-	-
	1-2.EXIT LIGHTING							-
190	CD CONDUIT; 16 mm	715.00	M				-	-

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

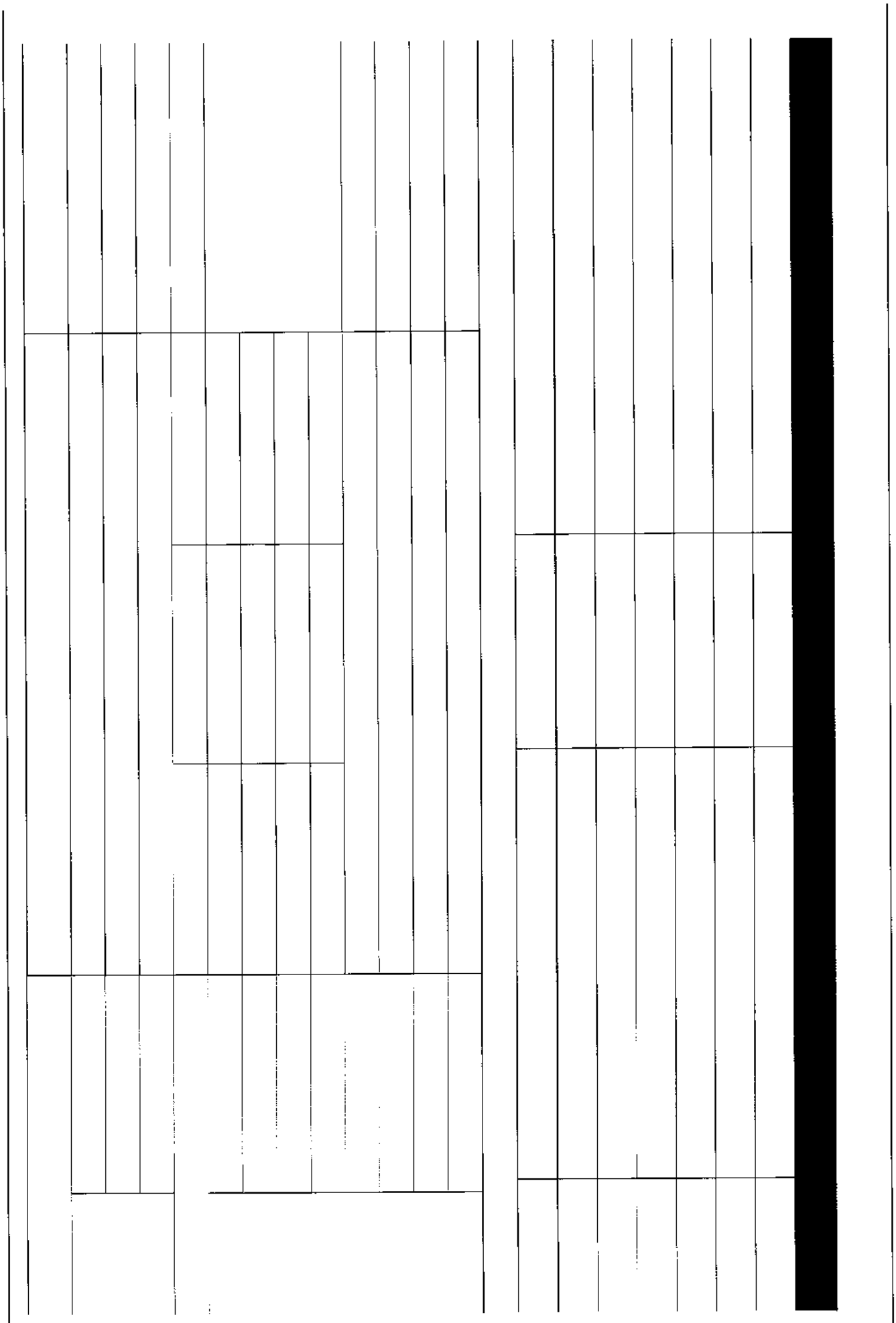
191	FLEXIBLE CONDUIT; 16㎜	25.00	M	-	-	
192	[CONDUIT PIPE ACCESSORY]; CD CONDUIT 40 %	1.00	LS	-	-	
193	[CONDUIT PIPE ACCESSORY]; CONDUIT 15 %	1.00	LS	-	-	
194	FLEXIBLE BOX CONNECTOR; 16㎜	24.00	EA	-	-	
195	CONCRETE OUTLET BOX; Octagonal, 54㎜	11.00	EA	-	-	
196	CONCRETE OUTLET BOX; Square, 54㎜	3.00	EA	-	-	
197	SWITCH BOX; 1Way, 54㎜	31.00	EA	-	-	
198	SWITCH BOX; 2Way, 54㎜	34.00	EA	-	-	
199	OUTLET BOX COVER; Octagonal,Round hole(Plat)	11.00	EA	-	-	
200	OUTLET BOX COVER; Square, Round hole(Plat)	3.00	EA	-	-	

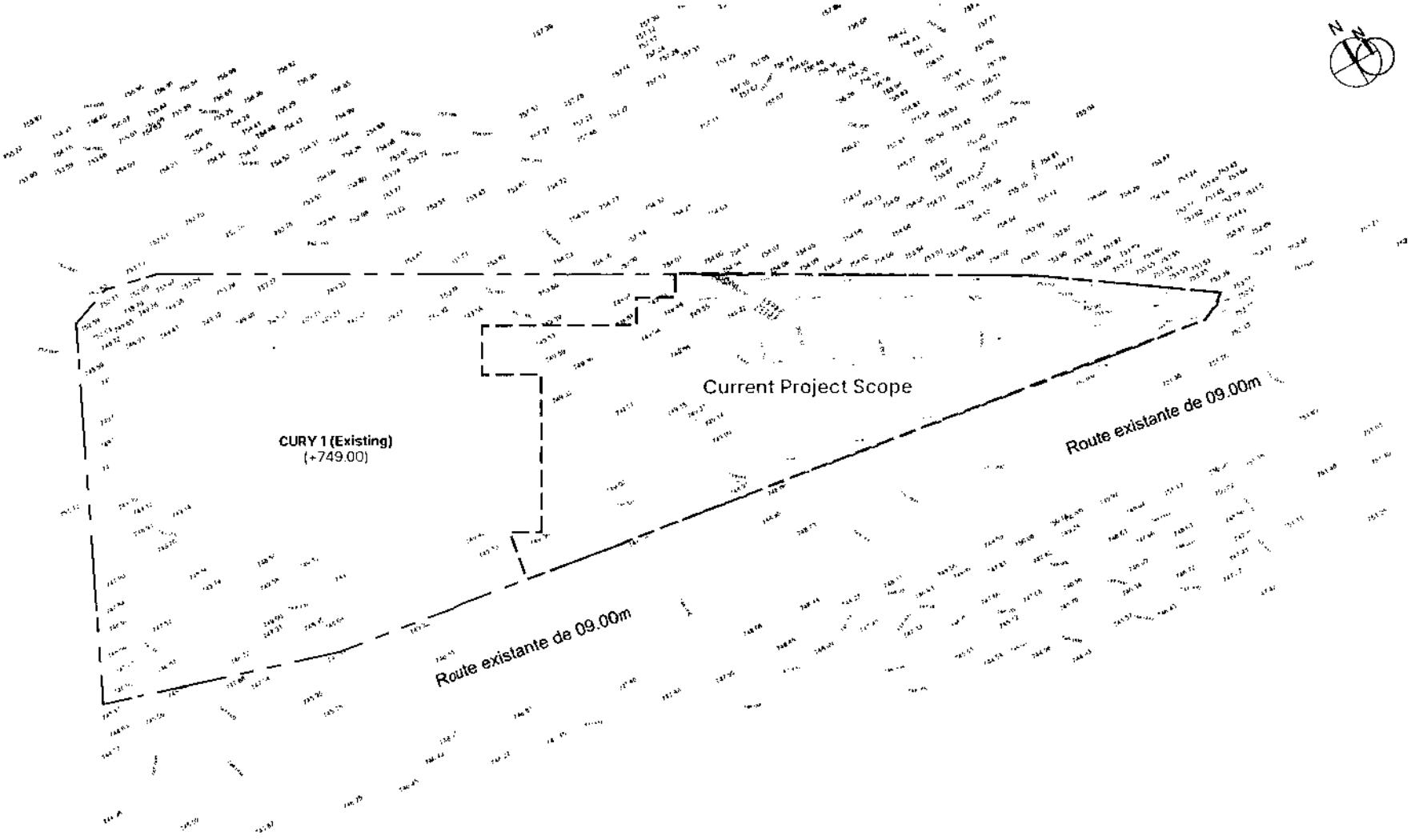
Item	Description	Qty	Unit	Material Rate	Labour Rate	Expense Rate	Unit Rate	Amount (FCFA)
201	OUTLET BOX COVER; 1Way s/w, Round hole(Plat)	31.00	EA				-	-
202	OUTLET BOX COVER; 2Way s/w, Round hole(Plat)	34.00	EA				-	-
203	ELECTRIC WIRE [HFIX]; 450/750V, 2.5㎟(1.78㎜)	1,510.00	M				-	-
204	EXIT LIGHT; STAIR (WALL TYPE)	11.00	EA				-	-
205	EXIT LIGHT; MIDDLE (WALL TYPE)	46.00	EA				-	-
206	EXIT LIGHT; ROOM (PENDENT TYPE)	12.00	EA				-	-
207	EXIT LIGHT; CORRIDOR (WALL TYPE)	4.00	EA				-	-
208	[MISCELLANEOUS MATERIAL]; WIRE & CABLE & CONDUIT 2 %	1.00	LS				-	-
209	[TOOL LOSS]; LABOR COST 3 %	1.00	LS				-	-
	Carried to Summary							-

KOREA INTERNATIONAL COOPERATION AGENCY
Design Group Five
KOICA
CAMEROON

KOICA



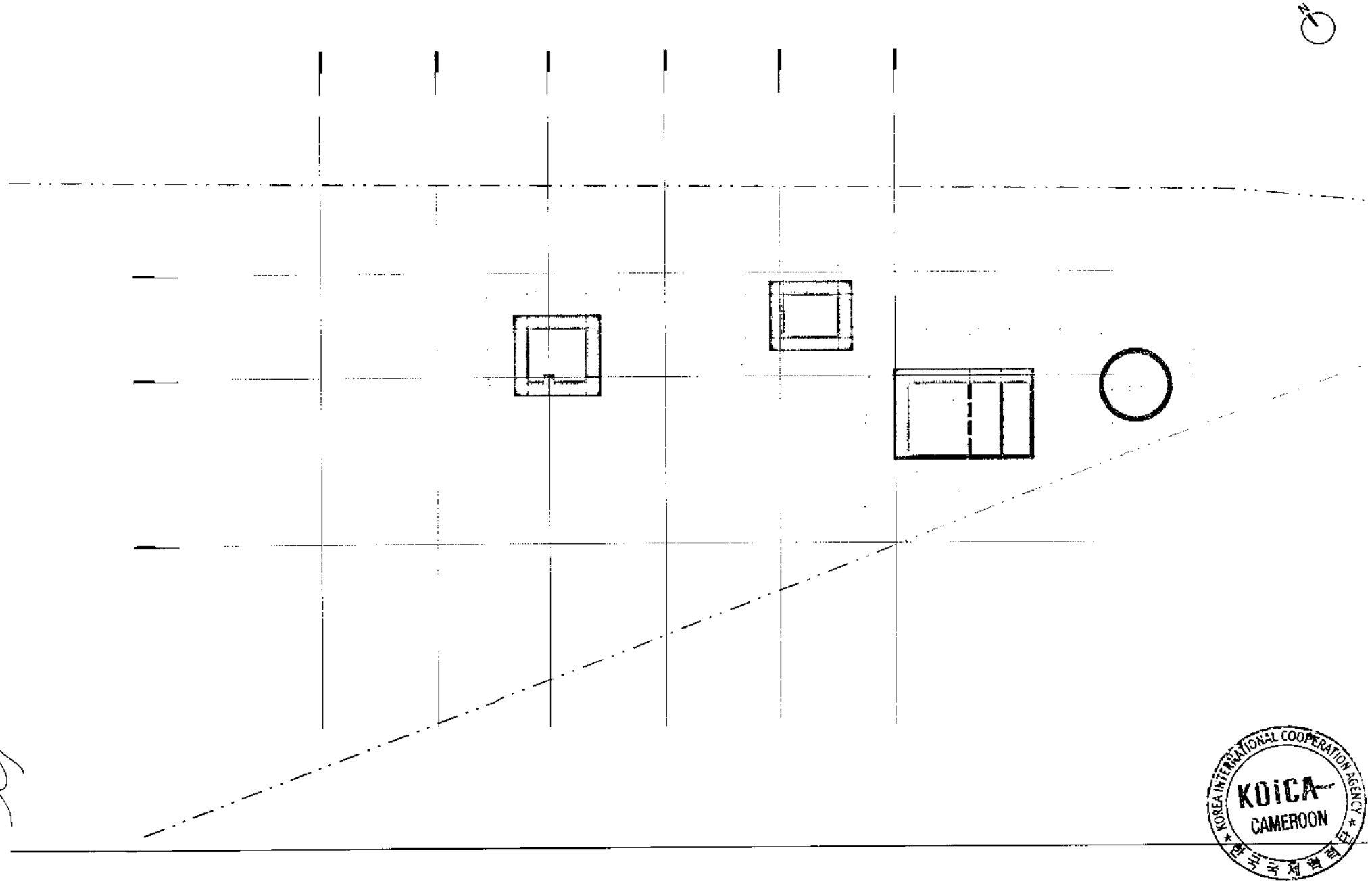




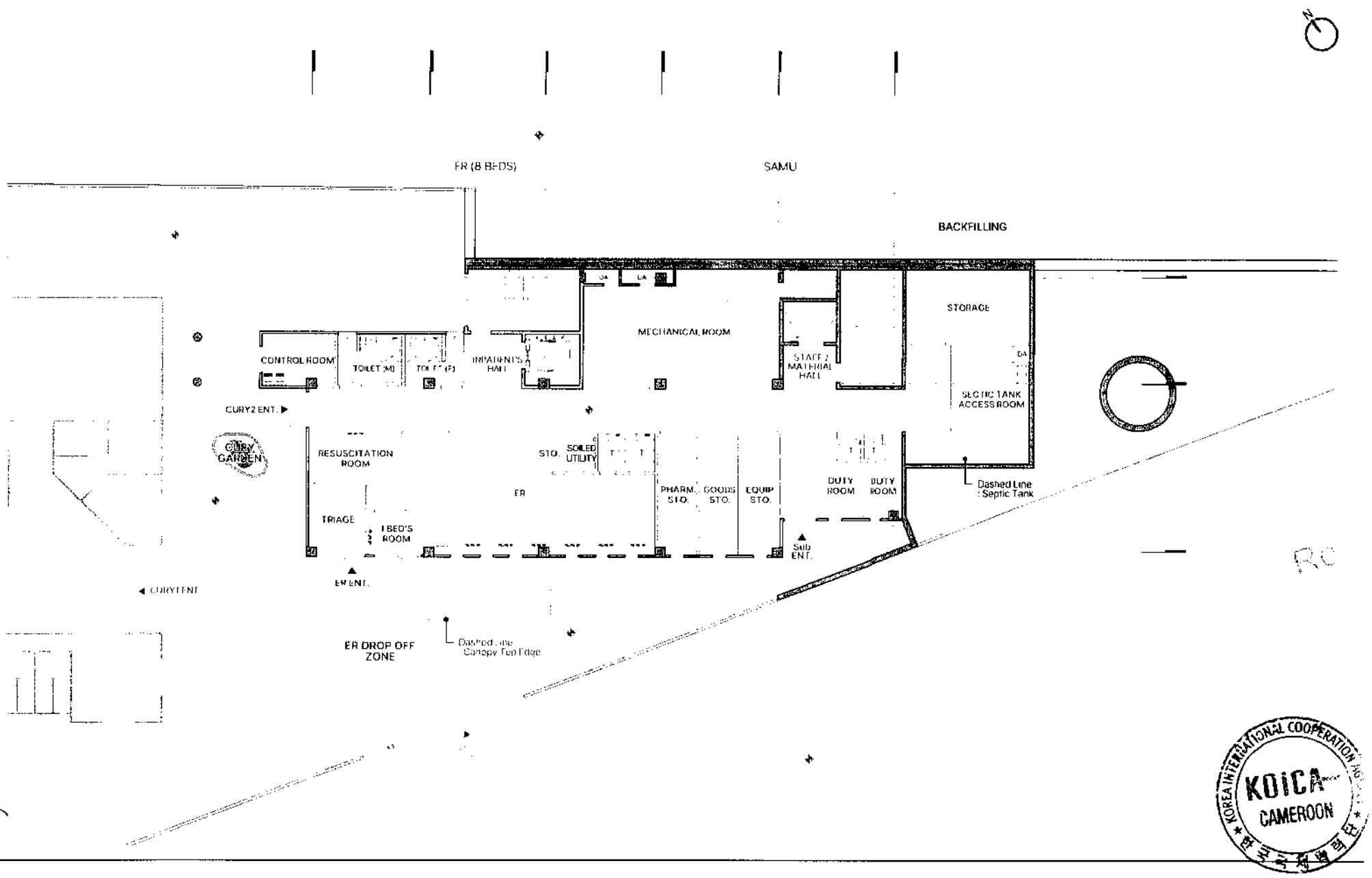
1 SITE PLAN (EXISITING)

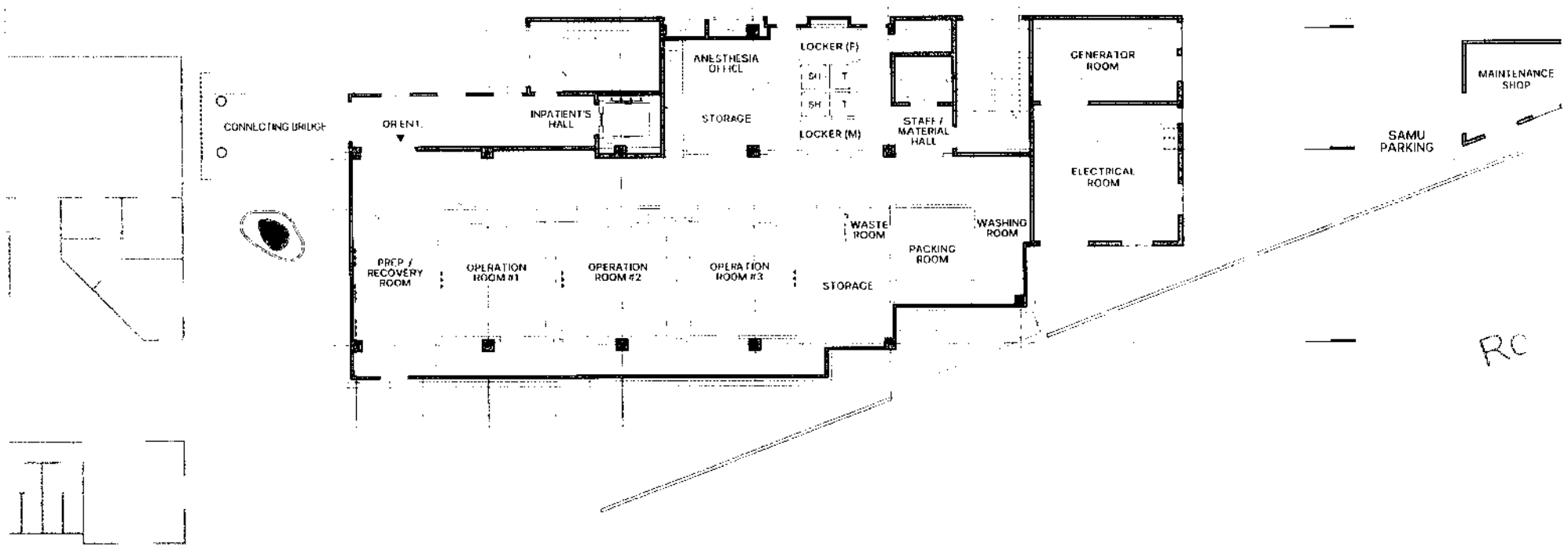
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON


KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

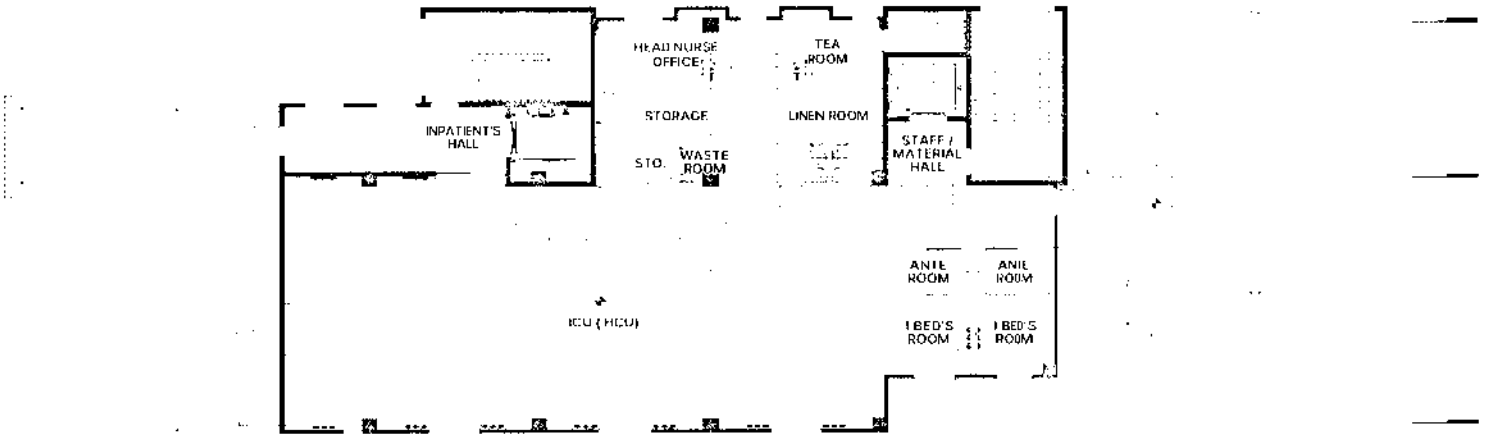

KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON


ER (8 BEDS)
SAMU
BACKFILLING
CONTROL ROOM
TOILET (M)
TOILET (F)
INPATIENT'S HALL
MECHANICAL ROOM
STAFF / MATERIAL HALL
STORAGE
SEPTIC TANK ACCESS ROOM
CURY2 ENT.
CURY GARDEN
RESUSCITATION ROOM
STO.
SOILED UTILITY
ER
PHARM. STO.
GOODS STO.
EQUIP STO.
DUTY ROOM
DUTY ROOM
Dashed Line : Septic Tank
TRIAGE
1 BED'S ROOM
SUP ENT.
ER ENT.
CURY ENT.
ER DROP OFF ZONE
Dashed Line : Canopy Top Edge
KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY


CONNECTING BRIDGE
ENT.
INPATIENT'S HALL
ANESTHESIA OFFICE
STORAGE
LOCKER (F)
LOCKER (M)
STAFF / MATERIAL HALL
GENERATOR ROOM
ELECTRICAL ROOM
MAINTENANCE SHOP
SAMU PARKING
WASTE ROOM
WASHING ROOM
PACKING ROOM
STORAGE
PREP / RECOVERY ROOM
OPERATION ROOM #1
OPERATION ROOM #2
OPERATION ROOM #3
RC

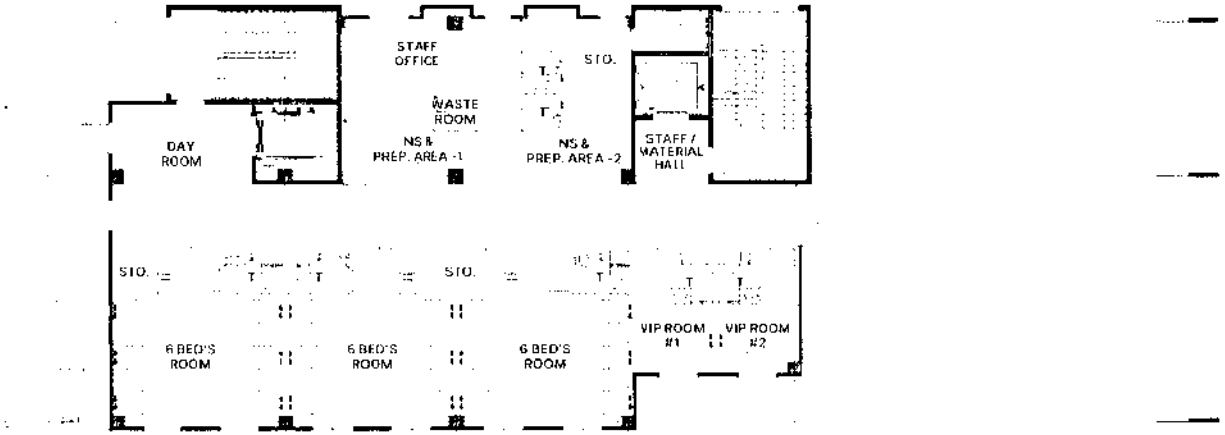
ICU / HCU (11 BED'S)



KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

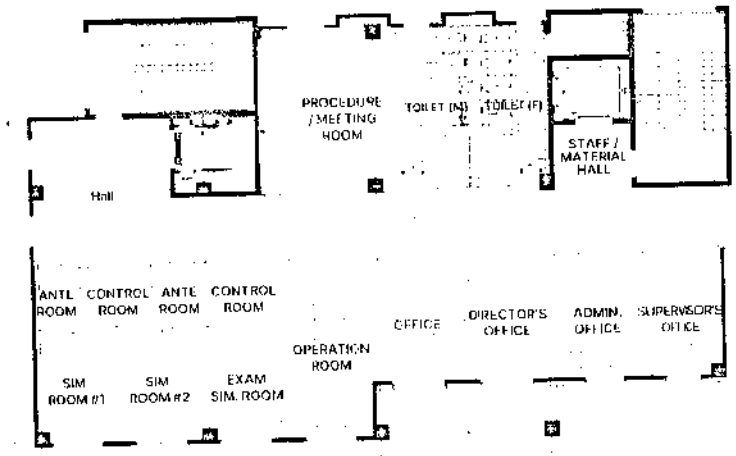
KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

GENERAL WARD (20 BED'S)

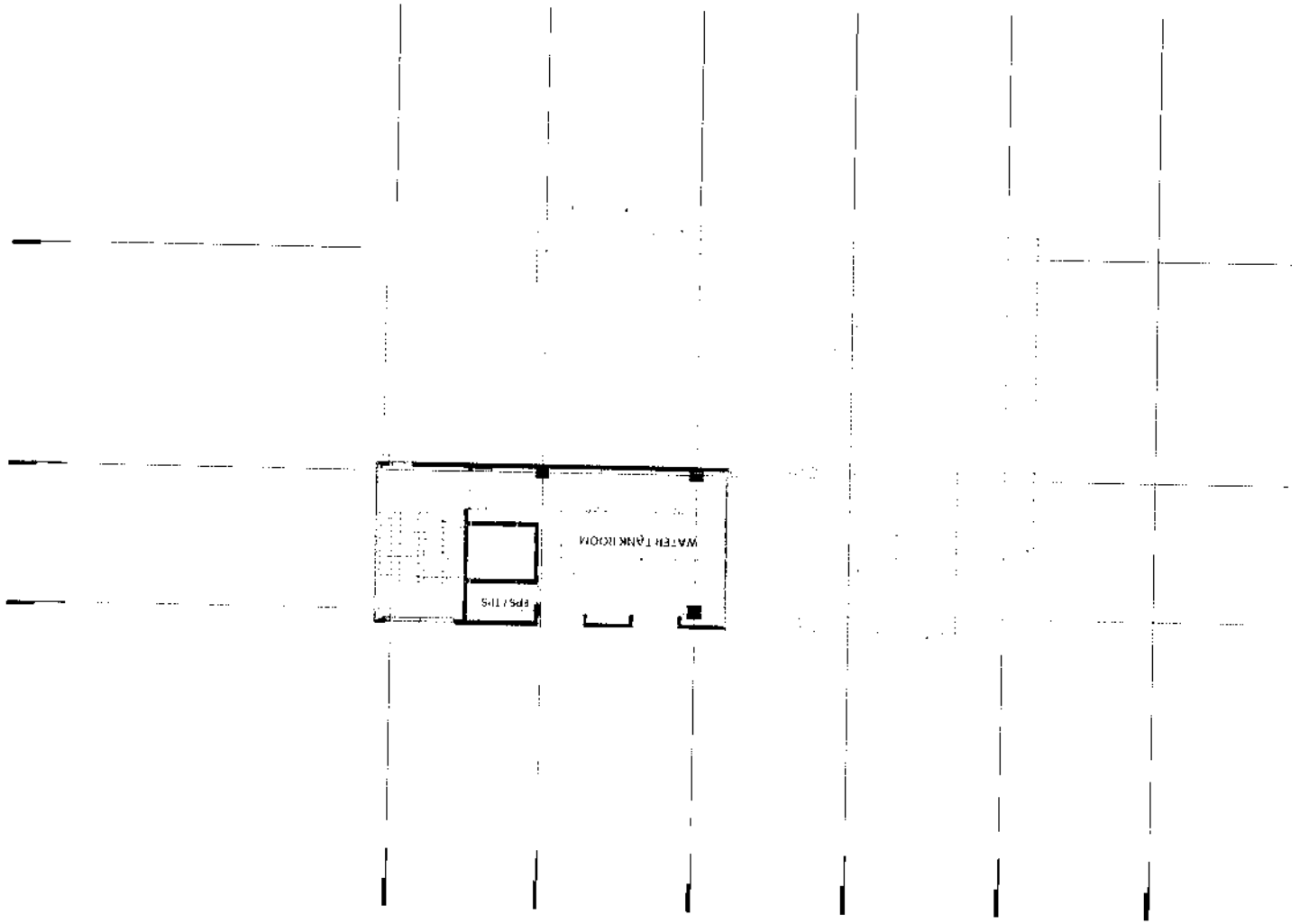


SIMULATION CENTER

SAMU / CONTROL CENTER

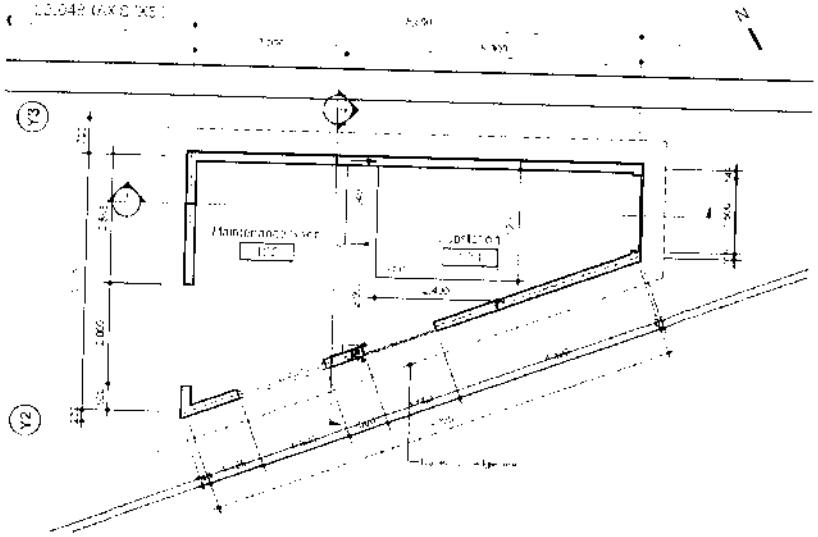


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

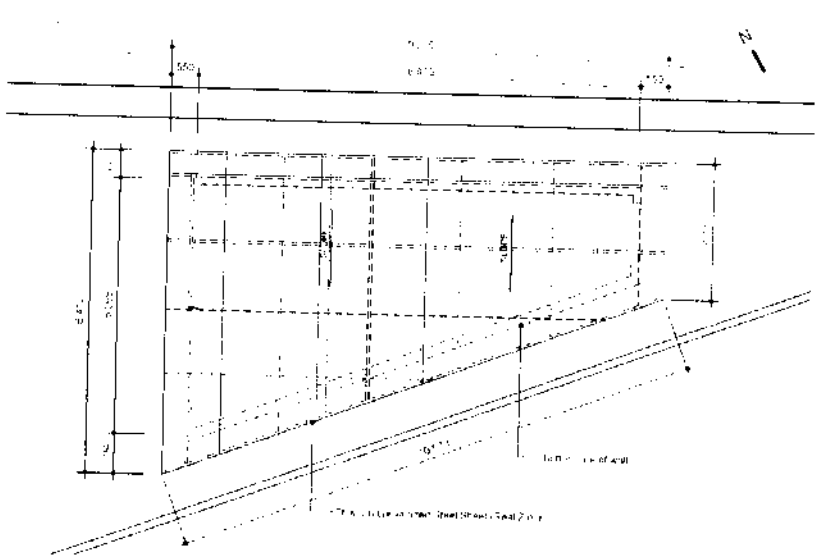


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

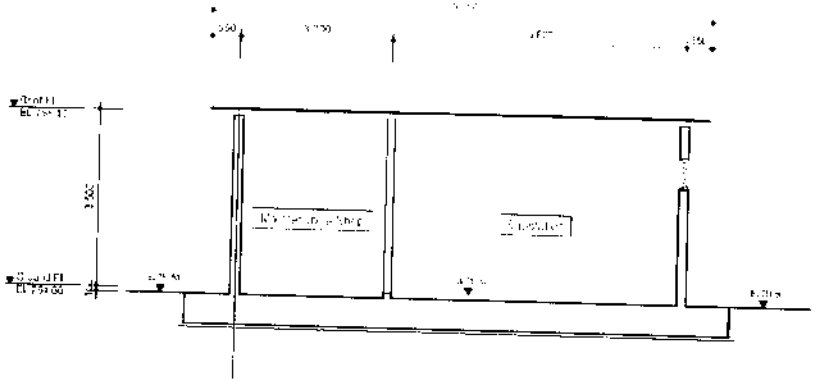

KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



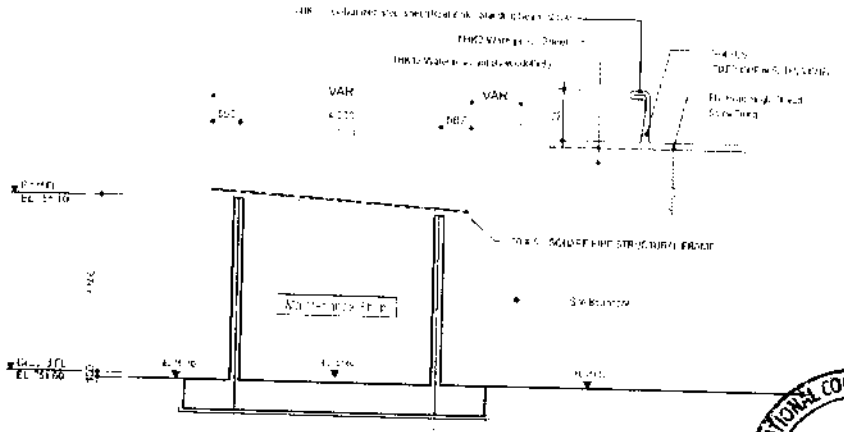
MAINTENANCE SHOP 1F FLOOR PLAN



MAINTENANCE SHOP RF FLOOR PLAN



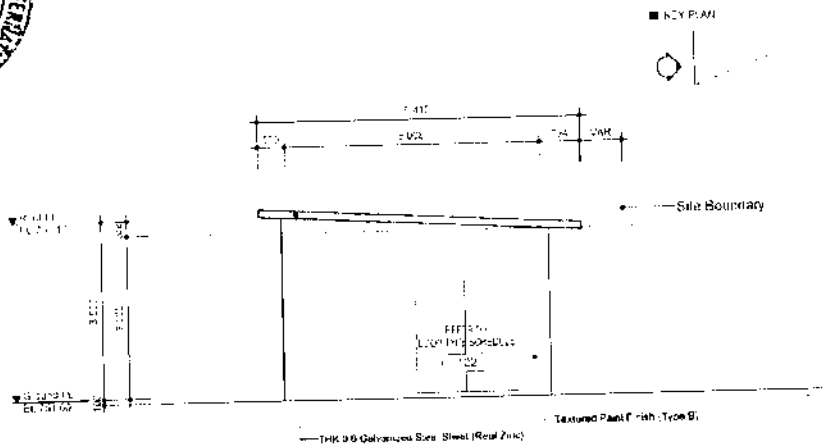
MAINTENANCE SHOP SECTION 1



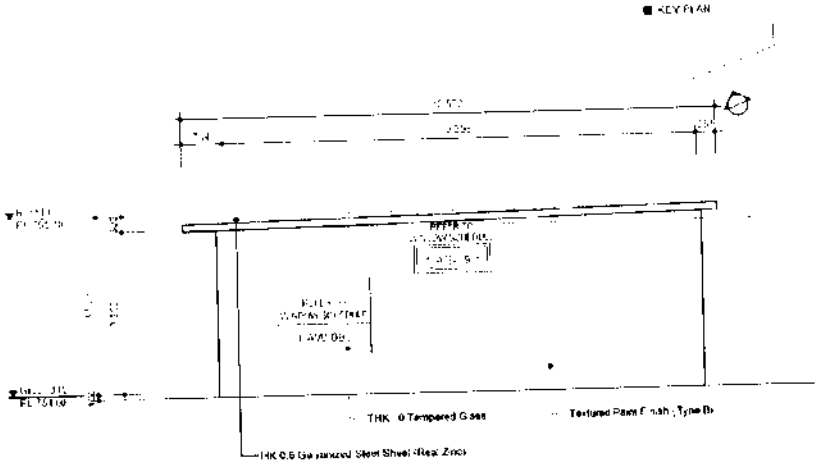
MAINTENANCE SHOP SECTION 2

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON
한국국제협력단

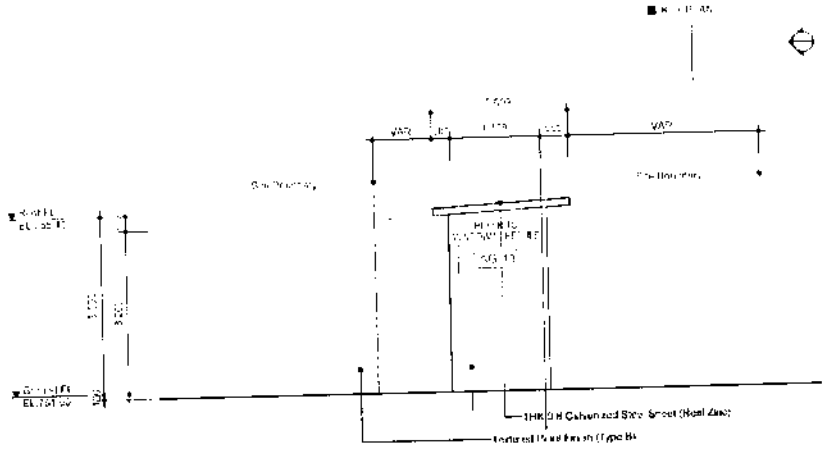
KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



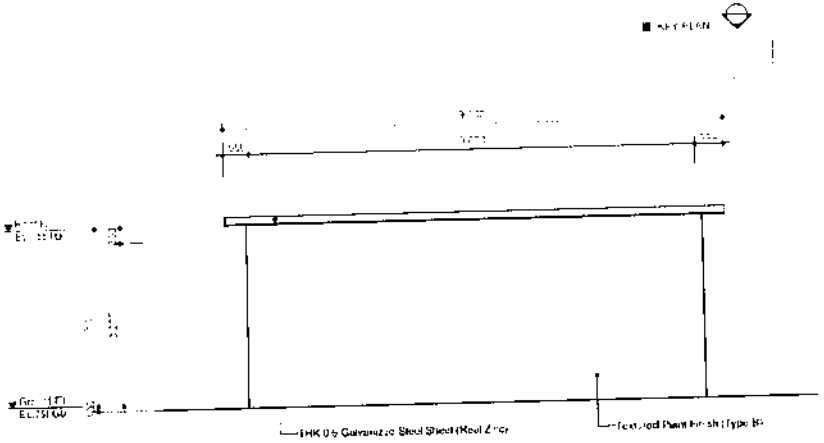
MAINTENANCE SHOP ELEVATION - 1



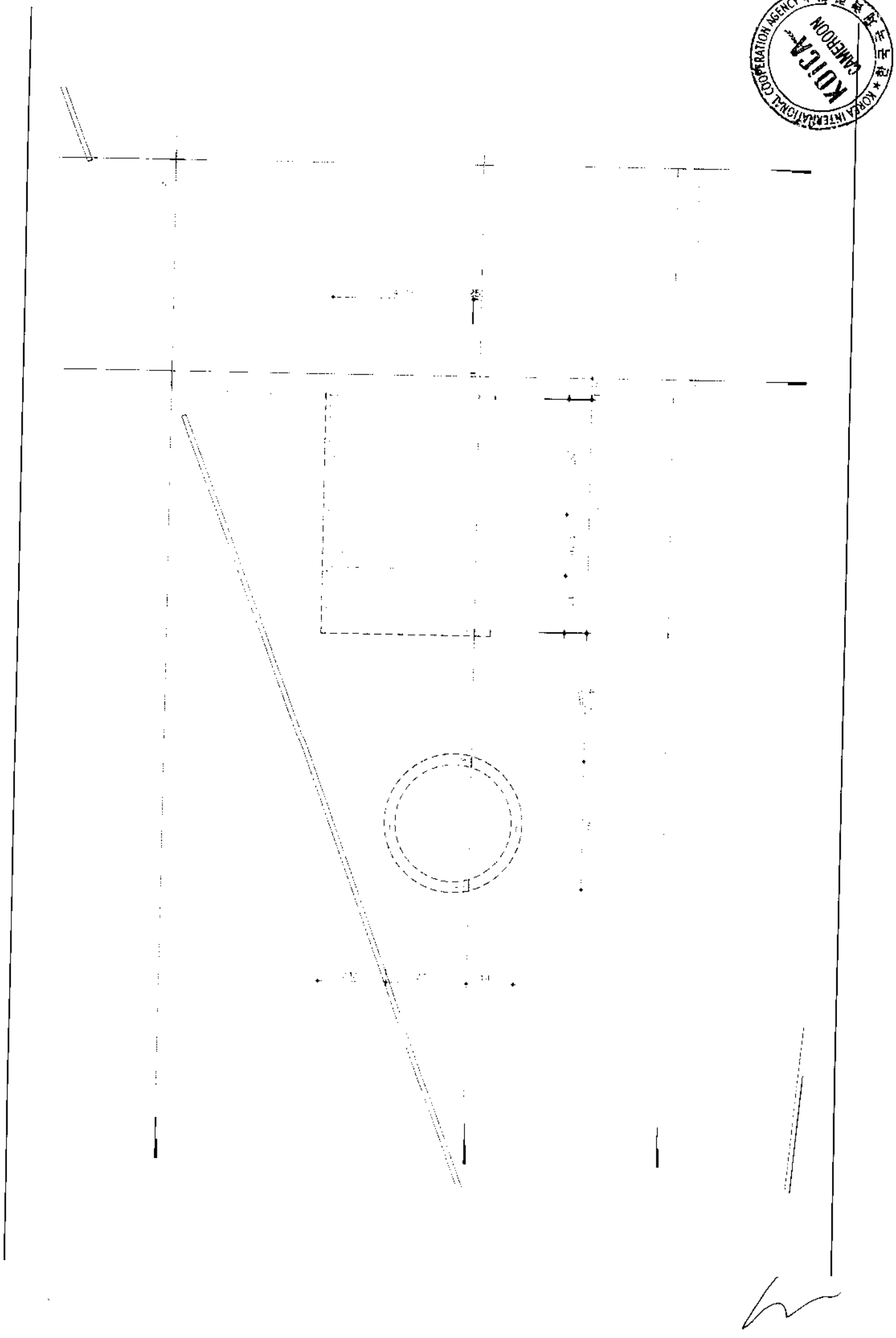
MAINTENANCE SHOP ELEVATION-2

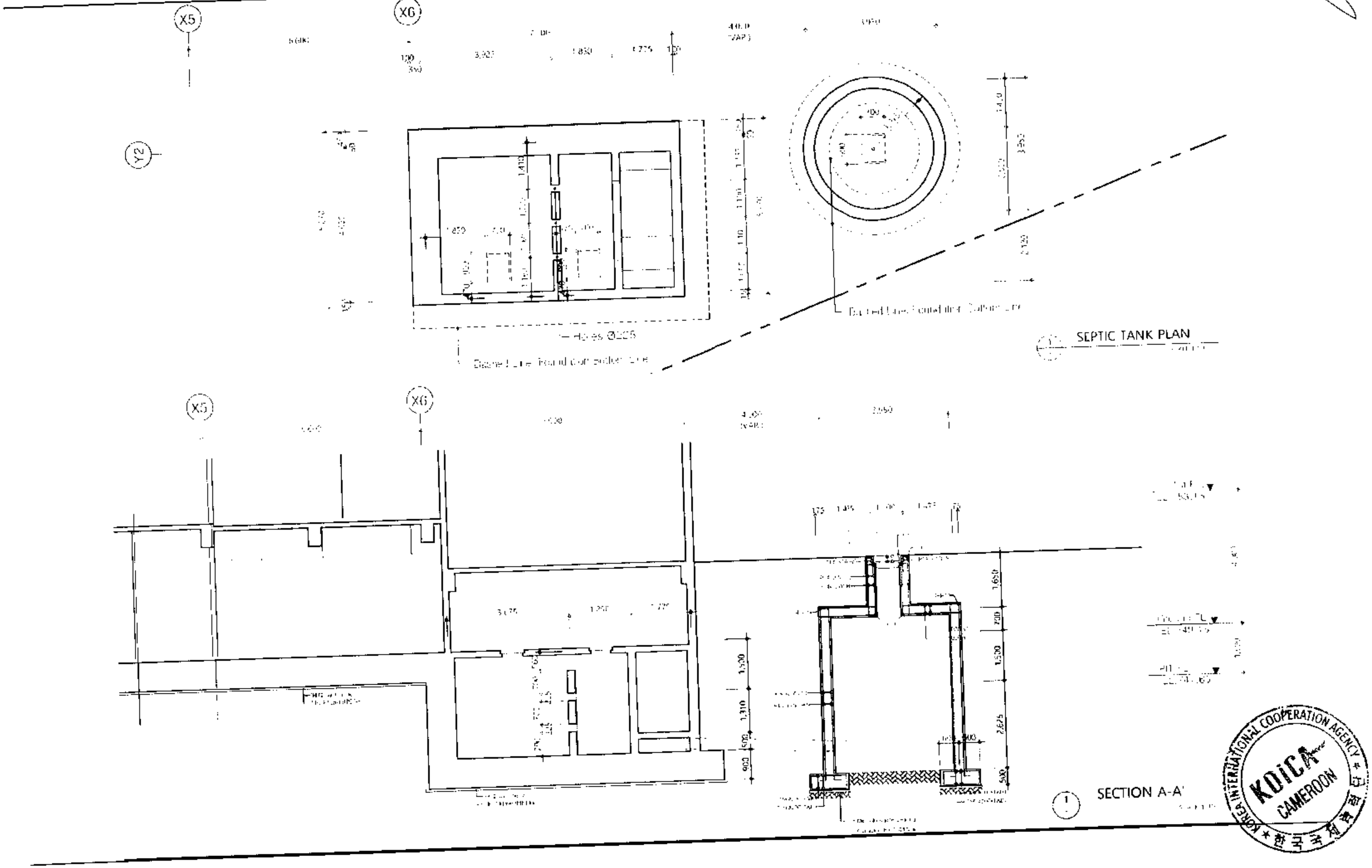


MAINTENANCE SHOP ELEVATION-3

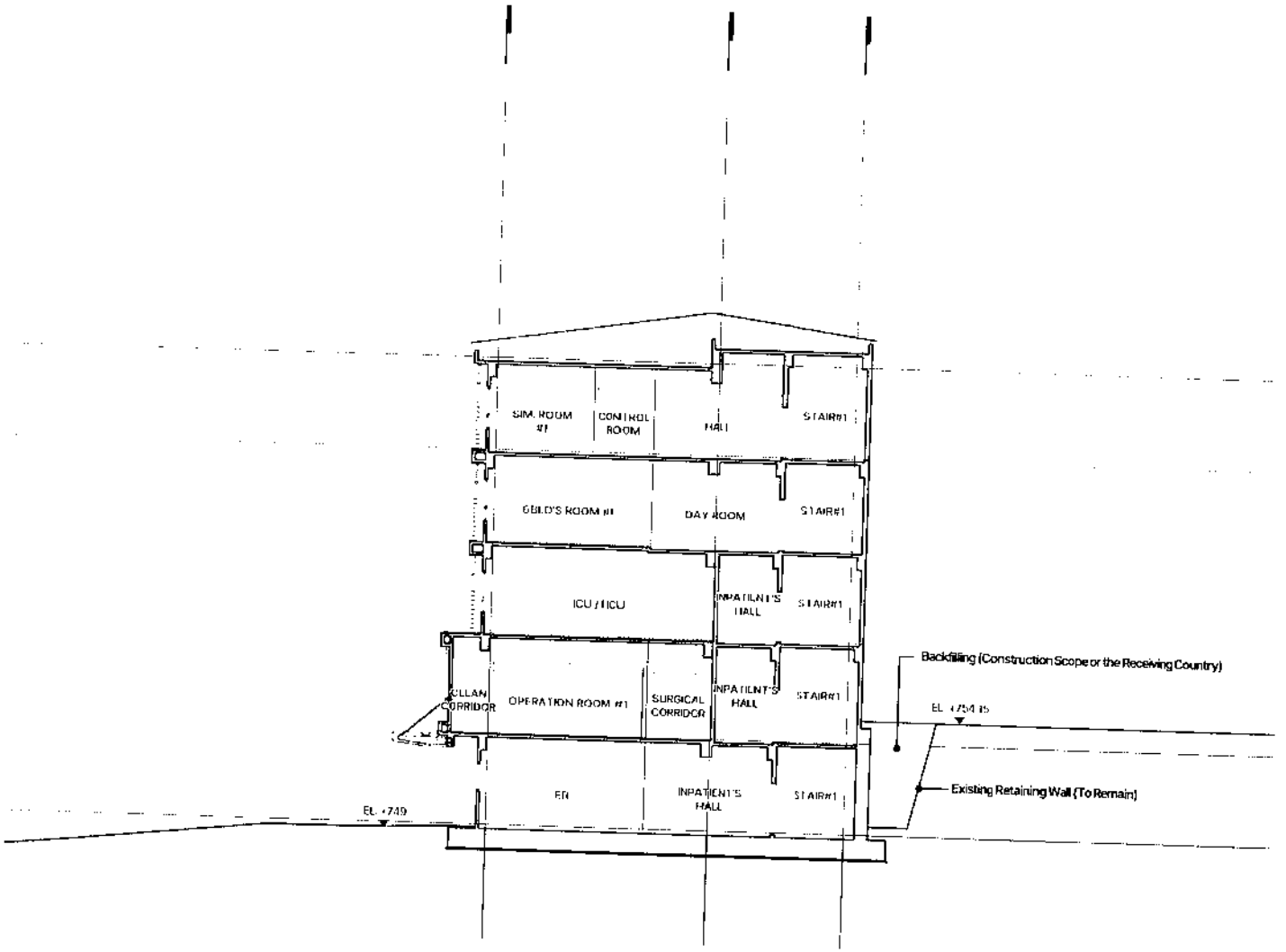


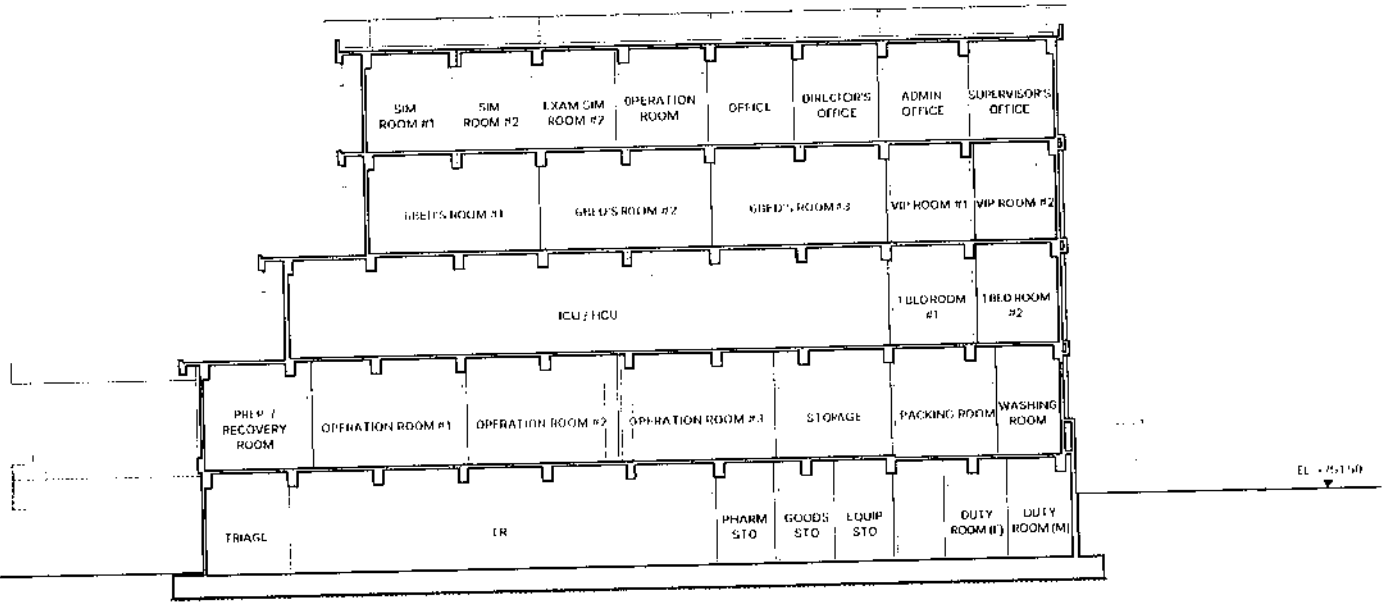
MAINTENANCE SHOP ELEVATION-4


KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



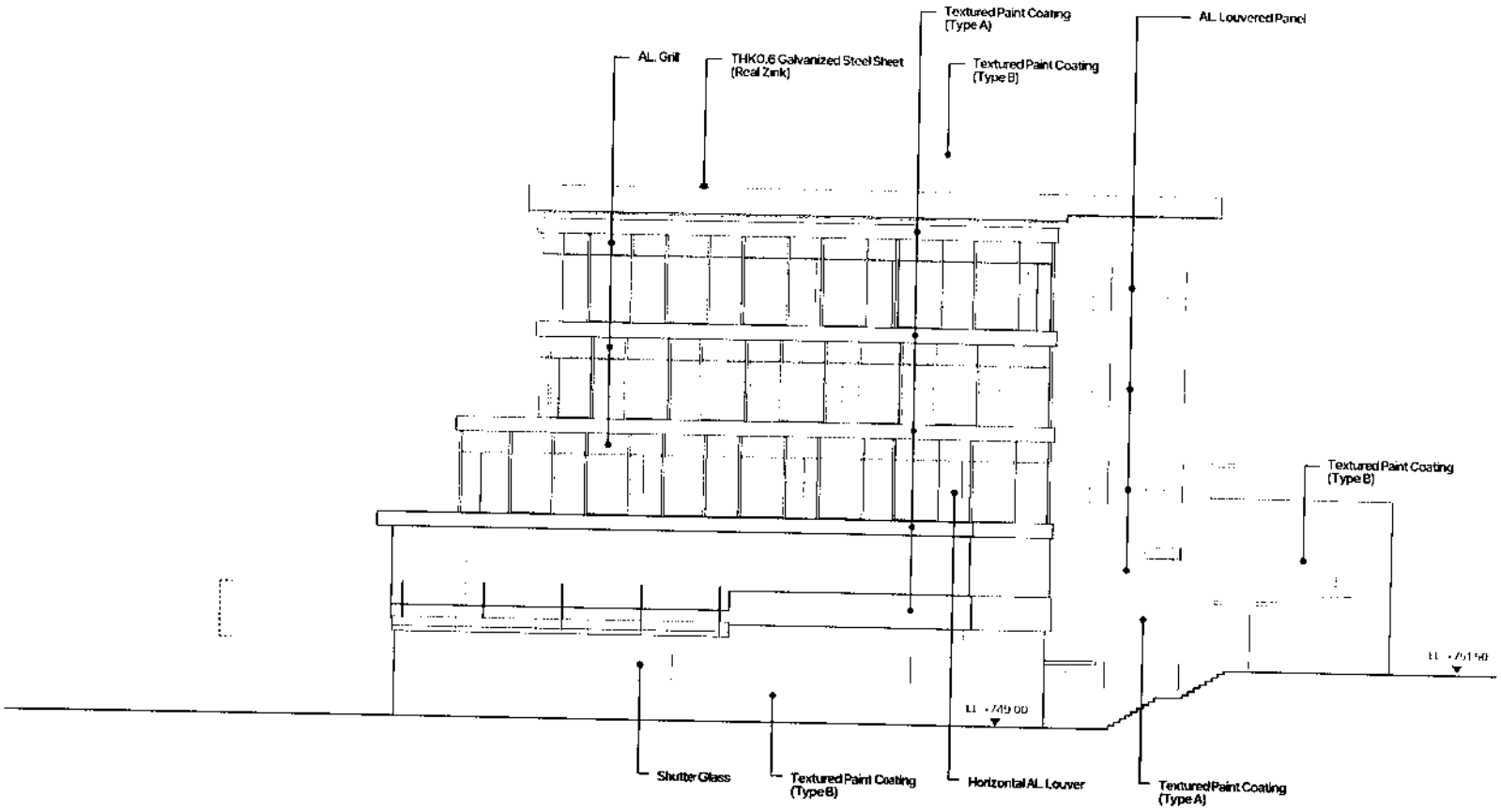
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON
한국국제협력단


SIM. ROOM #1
CONTROL ROOM
HALL
STAIR#1
CHILD'S ROOM #1
DAY ROOM
STAIR#1
ICU / HCU
INPATIENT'S HALL
STAIR#1
OPERATION ROOM #1
SURGICAL CORRIDOR
INPATIENT'S HALL
STAIR#1
ER
INPATIENT'S HALL
STAIR#1
Backfilling (Construction Scope or the Receiving Country)
Existing Retaining Wall (To Remain)



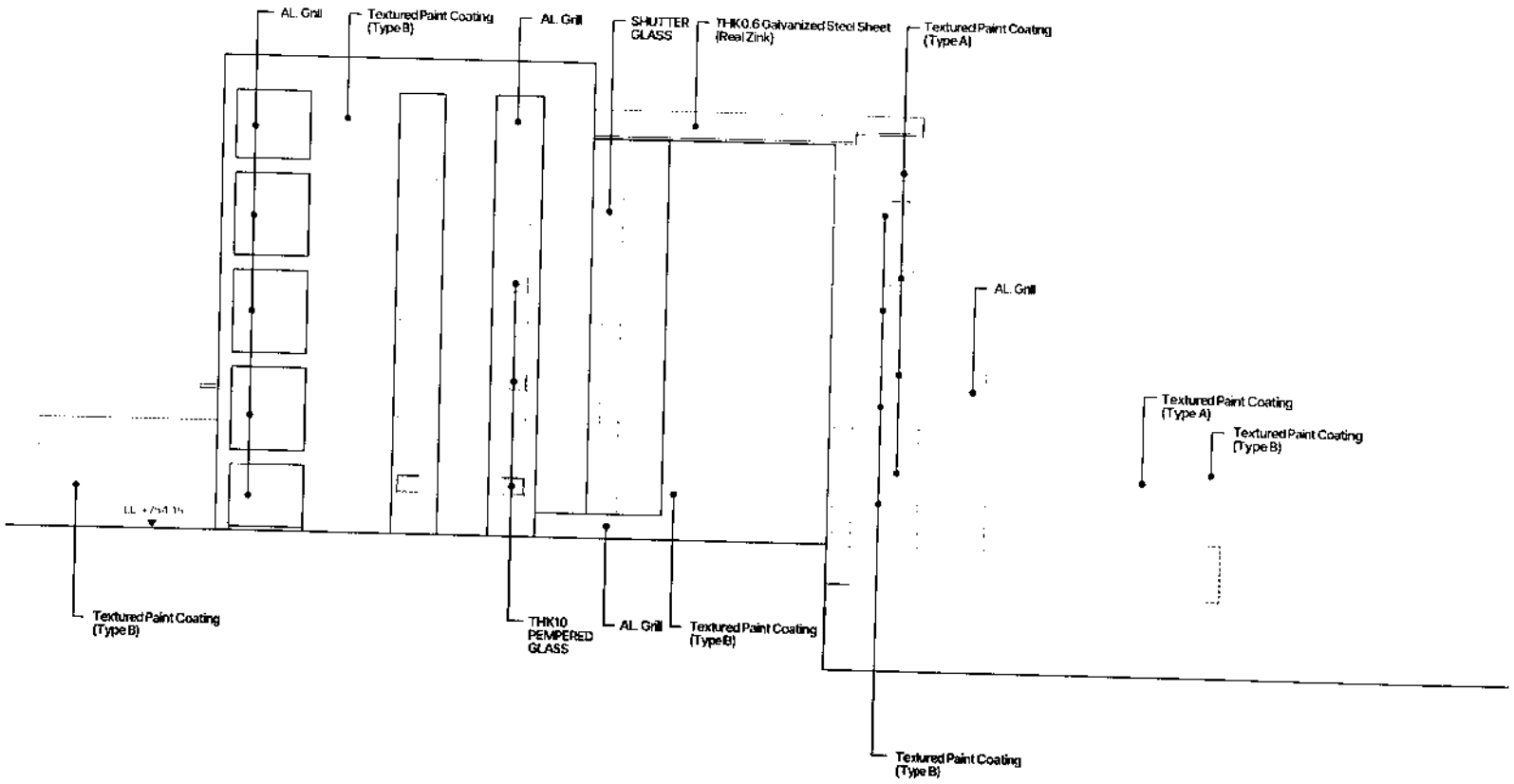
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

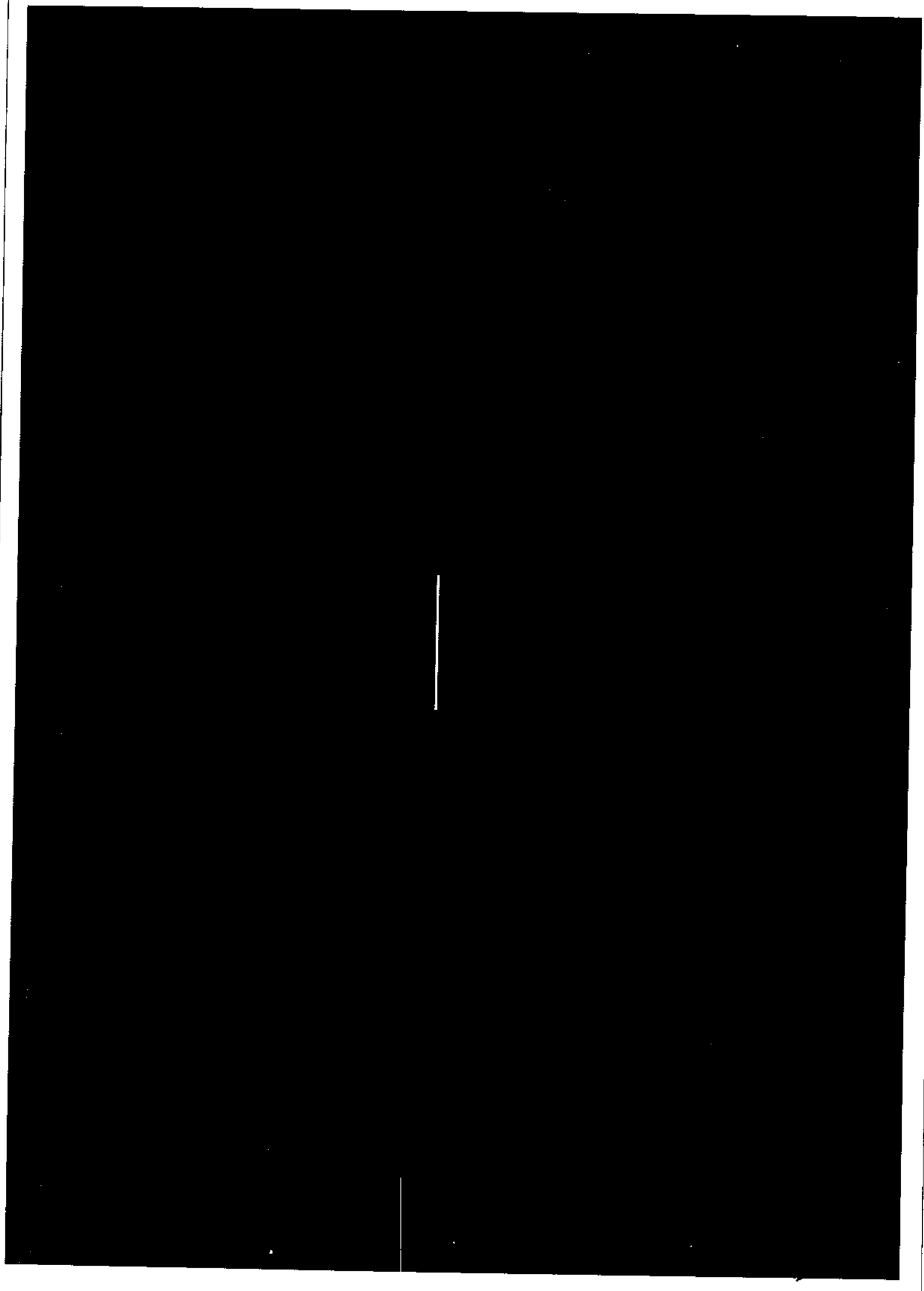
KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROUN


KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY


KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



[redacted]

Concrete

Rebar

Steel

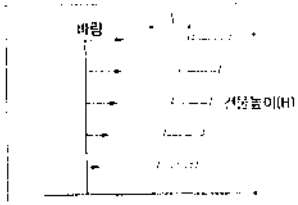
[redacted]

Region

Design Basic Wind Speed

Terrain Factor

Importance Factor



Allowable Displacement Review

[redacted]

Peak Ground Acceleration

Site Classification

Interstory Drift Review

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

Importance Factor

Behavior Factor



Design Code

1

2

3

4

1

2



3

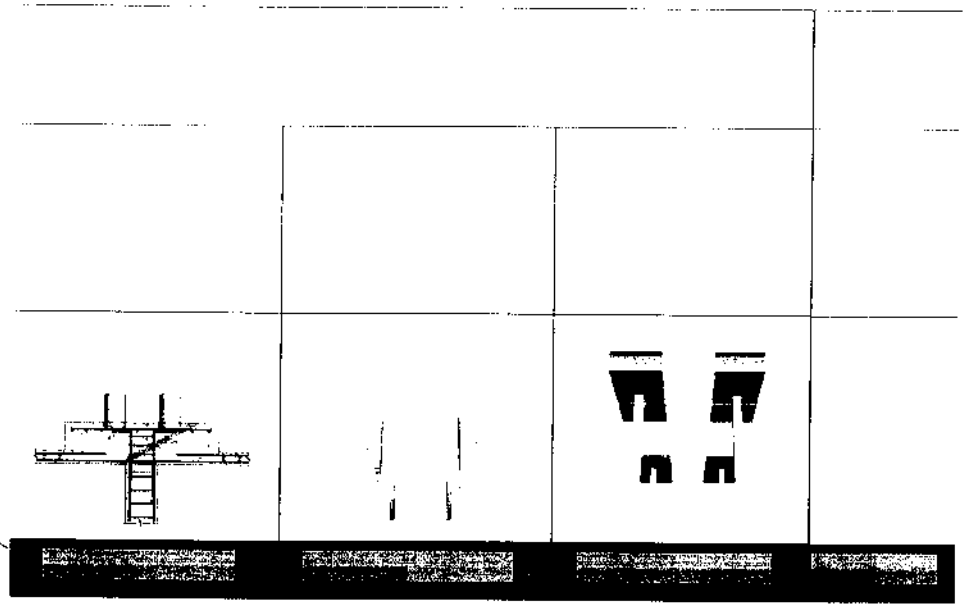
4

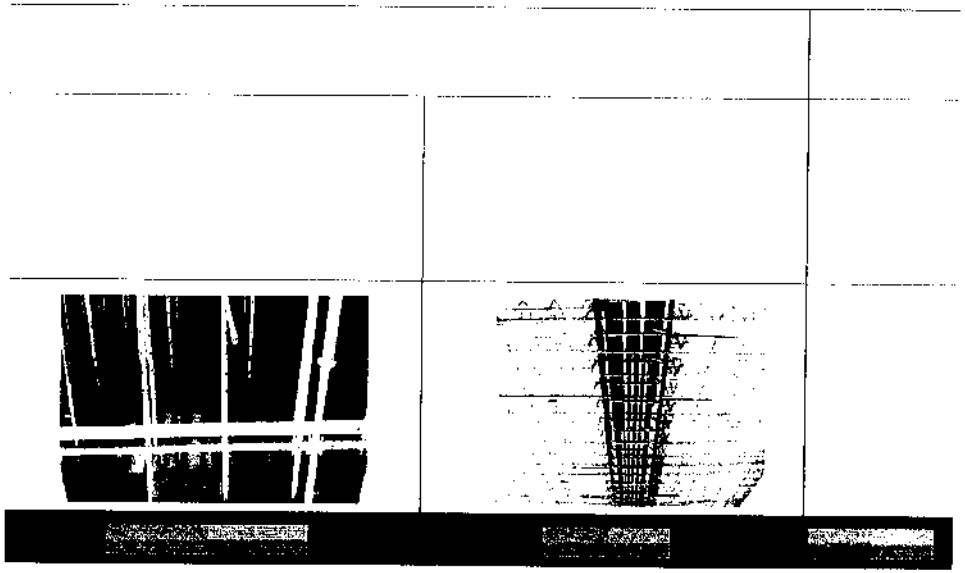
KOREA INTERNATIONAL COOPERATION
KOICA
CAMEROON

KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

Shear Wall
Lateral Load
Frame
Gravity Load
Shear Wall
Lateral Load
Frame
Gravity Load

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY






KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

[redacted]

[redacted]

[redacted]

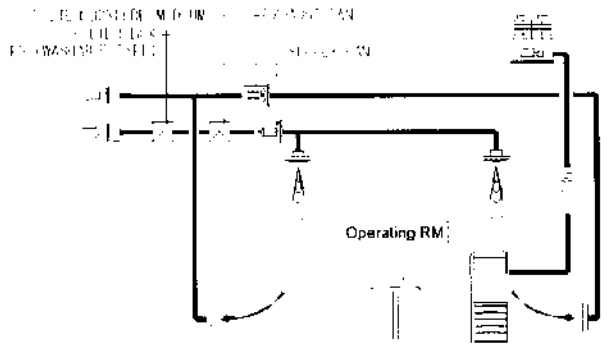
[redacted]

Sort	Situation	Note
Power	Supply Available	Cooling system energy source
City Water	Supply Available	Supply source for domestic and fire water
Soil	No septic tank on site	New septic tank required
Waste Water	No waste tank on site	New septic tank required
Gas	X	No gas use in the building

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

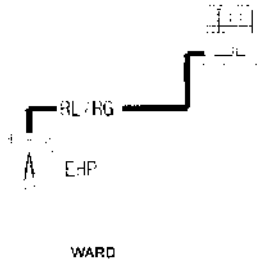
Sort	Laws and Regulation
HVAC	ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers)
Plumbing	IPC (International Plumbing Code)

Operating Room



- Single Type Air Conditioning System + Supply and Exhaust Fan System
- Introducing clean fresh air via supply & exhaust fans and a Filter box

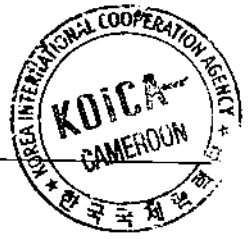
Ward



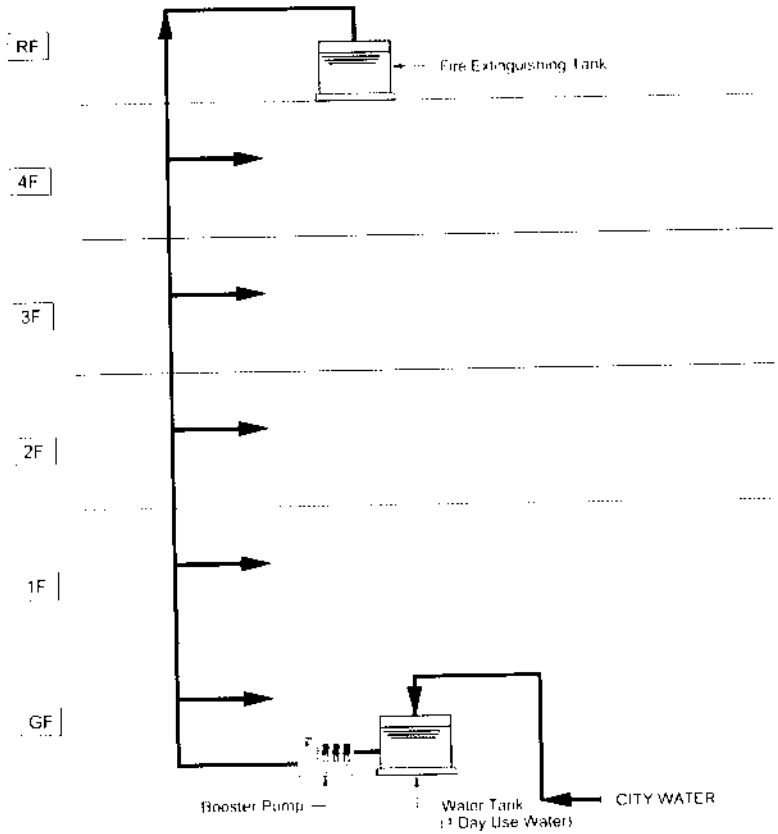
- Single Type Air Conditioning System
- Create a comfortable indoor environment by applying single-split air conditioners

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

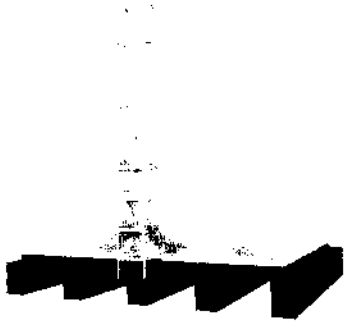
Room	Cooling System	Ventilation System
Operation Rm	Single Type Air Conditioner	Supply Fan + Exhaust Fan
General Ward	Single Type Air Conditioner	Natural Ventilation
ER	Single Type Air Conditioner	Energy Recovery Ventilator
ICU	Single Type Air Conditioner	Energy Recovery Ventilator
Nurse RM	Single Type Air Conditioner	Natural Ventilation
Docter RM	Single Type Air Conditioner	Natural Ventilation
General Outpatient Clinic RM	Single Type Air Conditioner	Natural Ventilation
Toilet / Shower RM / Soiled Utility	-	Exhaust Fan (On the Roof)
Mech RM	-	Supply Fan + Exhaust Fan
Elec. / Generater RM	-	Supply Fan + Exhaust Fan



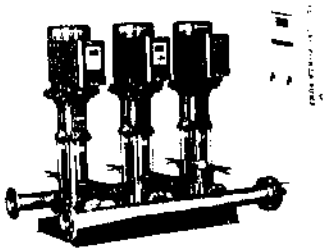
Domestic Water Supply Diagram



Water Tank (STS)



Booster Pump



Water Closet (Flush Valve)



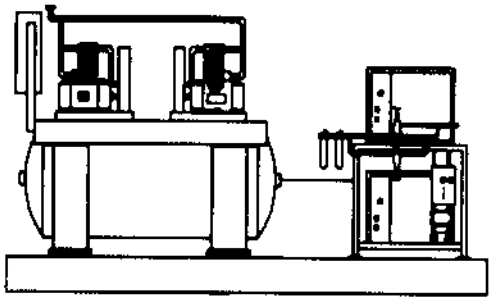
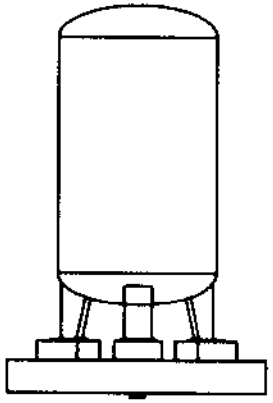
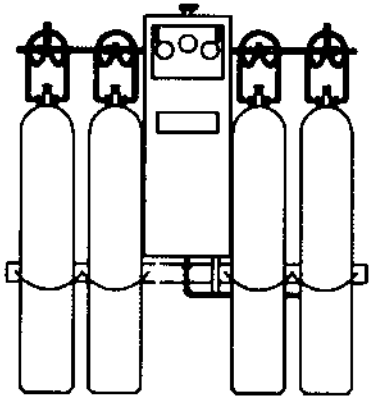
Electric Water Heater





KOICA CAMEROON


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Air Compressor	Vacuum Pump	Gas Manifold
		

Room	Air	VAC	O_2
Operation RM	●	●	●
ER	●	●	●
ICU / HCU	●	●	●
Prep. / Recovery RM	●		●
Resus. RM	●	●	●
Wards		●	●

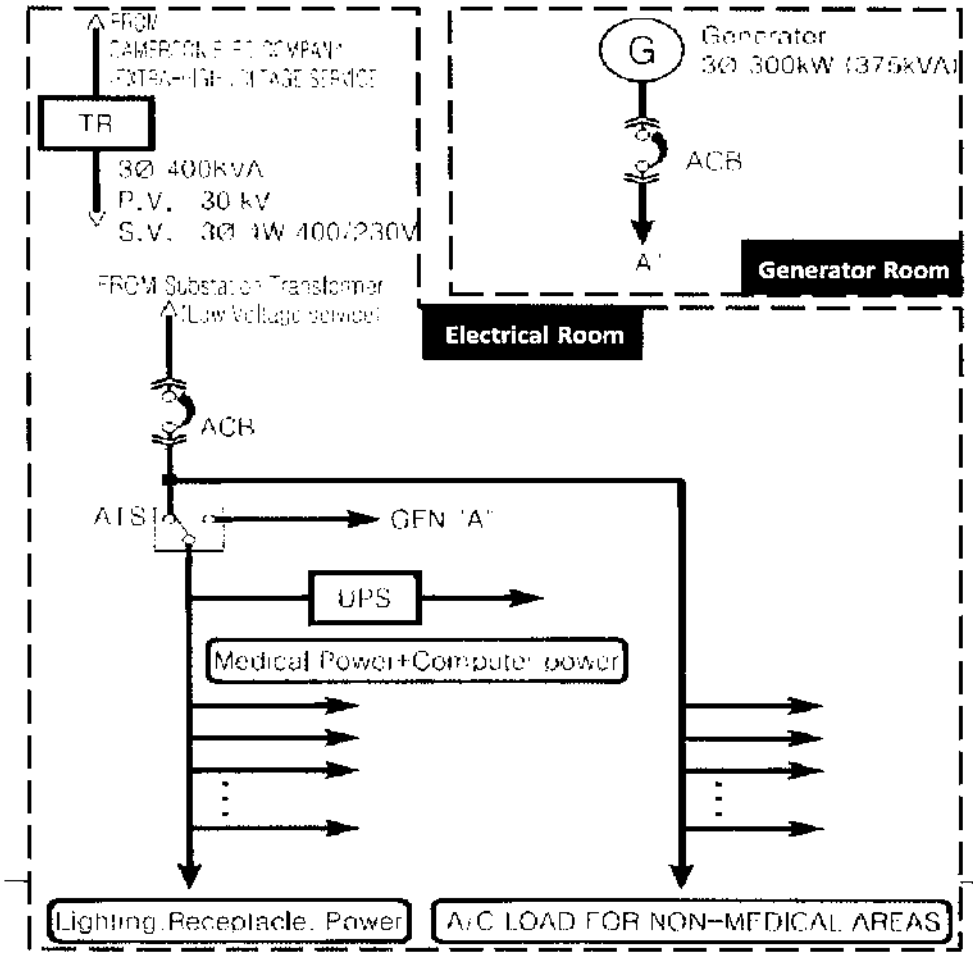
KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

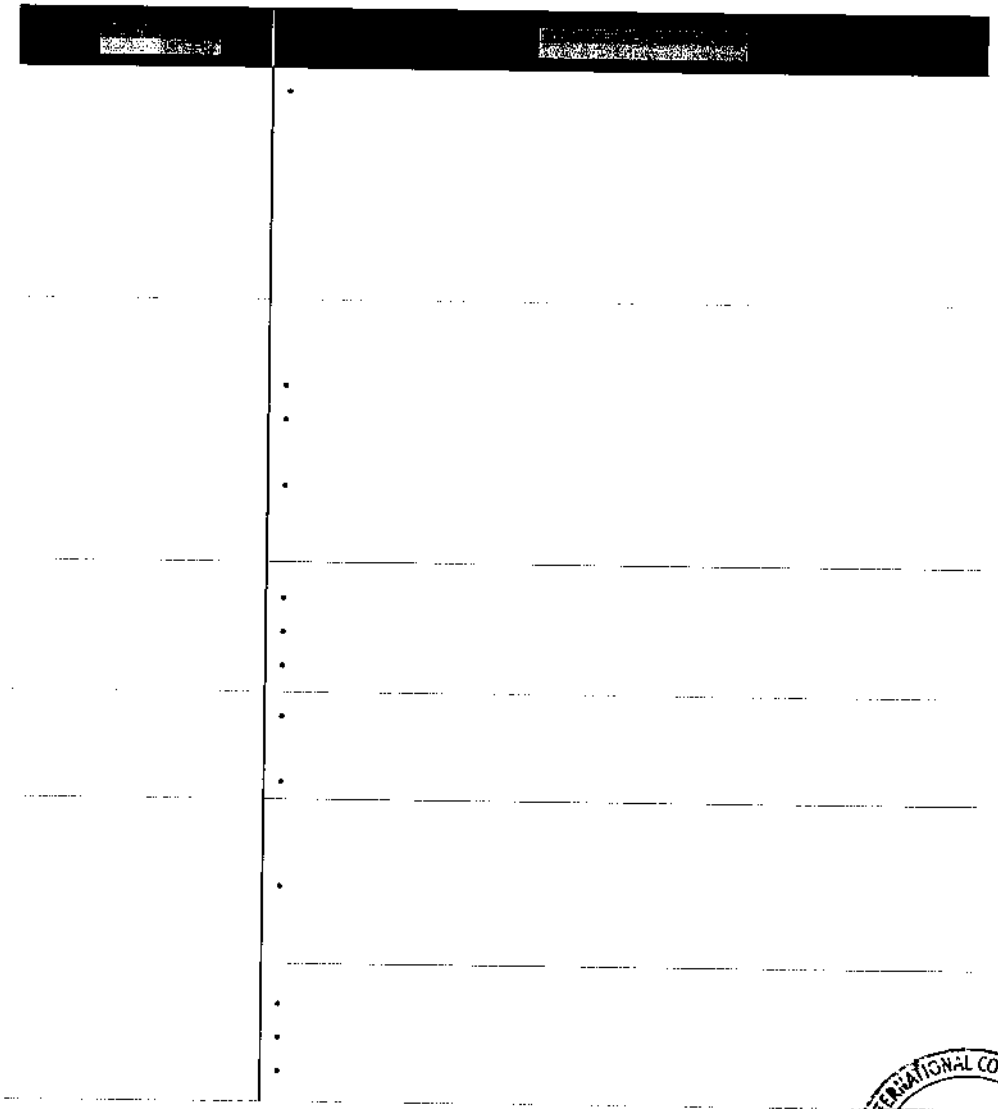
KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

	•
	• LOCAL POWER UTILITY → EHV SUBSTATION TR. → LV CURY2 ELECTRICAL ROOM
	•
	•
	•
	•
	•
	•
	•
	•
	•
	•
	•
	•


KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

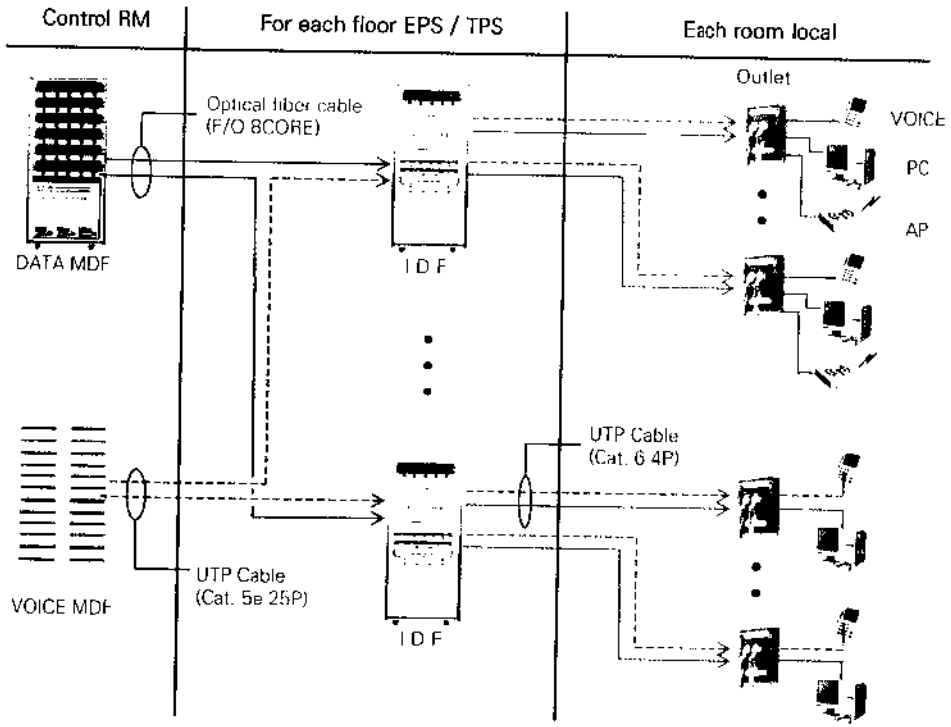
KOICA CAMEROON





KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

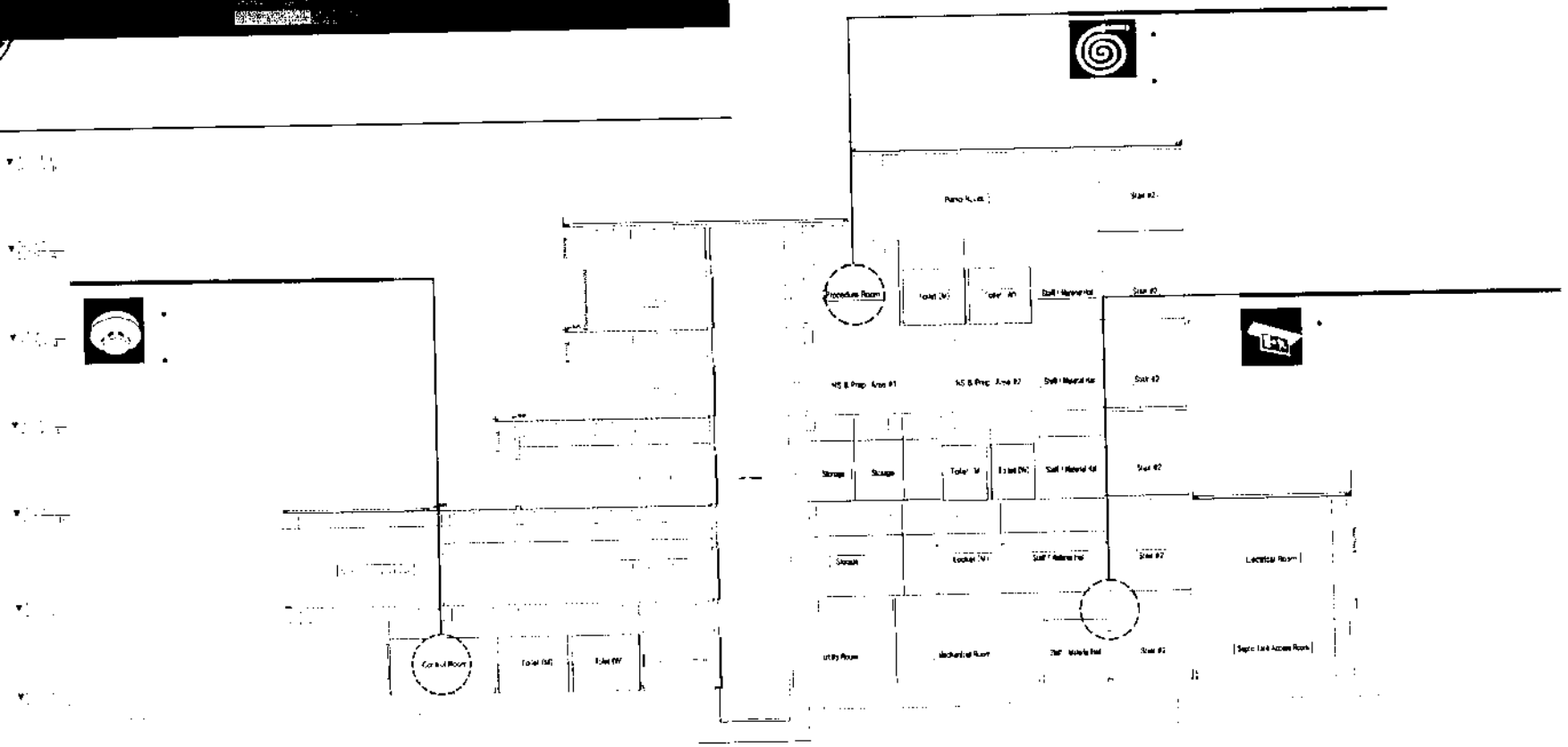

KOICA
CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY



Apply a user-friendly and easily maintainable communication system, and establish an integrated cabling infrastructure considering the characteristics of each room.

Backbone: DATA – Optical Fiber Cable (8 Core), VOICE – UTP Cat.5e / Horizontal Cabling: DATA & VOICE – UTP Cat.6 applied

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON


Procedure Room
Toilet (W)
Toilet (M)
Staff / Material Hall
Storage
Storage
Toilet (M)
Toilet (W)
Staff / Material Hall
Shower
Locker (M)
Staff / Material Hall
Utility Room
Mechanical Room
Staff / Material Hall
Lactation Room
Septic Tank Access Room
Toilet (M)
Toilet (W)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON


KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Scope of Works

PROJECT INFORMATION.

Overview

KOICA (Korea International Cooperation Agency) solicits a Contractor to provide construction services for the "Project for Building of Emergency Medical Services System in Cameroon". The Works comprise the new construction of an Emergency Medical Service Center (hereinafter "EMS") within the compound of the Hôpital Central de Yaoundé, together with a connecting bridge to the existing Centre des Urgences de Yaoundé (hereinafter "CURY 1") and all associated exterior works. The Project is implemented by the Ministry of Public Health (MINSANTE) of the Republic of Cameroon through the Project Management Unit of the Project to Strengthen the Emergency Medicine System in Cameroon (UGP-RESYMUC), with the support of KOICA.

The EMS building accommodates the emergency, surgery, intensive care, ward, SAMU (Service d'Aide Médicale Urgente), control center and simulation/training functions, and is connected to CURY 1 so that patients can be triaged and treated through an integrated access route between the two buildings.

Summary of the Project

Project name: Construction for the "Project for Building of Emergency Medical Services System in Cameroon" – Emergency Medical Service Center (EMS)

Location:

Hôpital Central de Yaoundé, Quartier Messa, Yaoundé 2, Mfoundi Division, Yaoundé, Republic of Cameroon

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

VGC6+52Q, Yaoundé (within the hospital compound, adjacent to the existing CURY 1)

Site area: 1,328.94 ㎡ (boundary of the project within the site; total hospital site area 4,169.65 ㎡)

Gross floor area: Approximately 2,583.54 ㎡ (new construction – EMS)

Building scale: Five(5) stories above ground (GF ~ 4F), reinforced concrete structure, building height 24.7m, two(2) elevators

Parking: Total nine(9) parking spaces including eight(8) ambulance parking spaces

Contract period: Seven hundred sixty(760) days from the date of signing the Contract (construction period: seven hundred thirty(730) days from the date of commencement)

New construction of the Emergency Medical Service Center (EMS) and a connecting bridge to the existing CURY 1, including all associated exterior works+

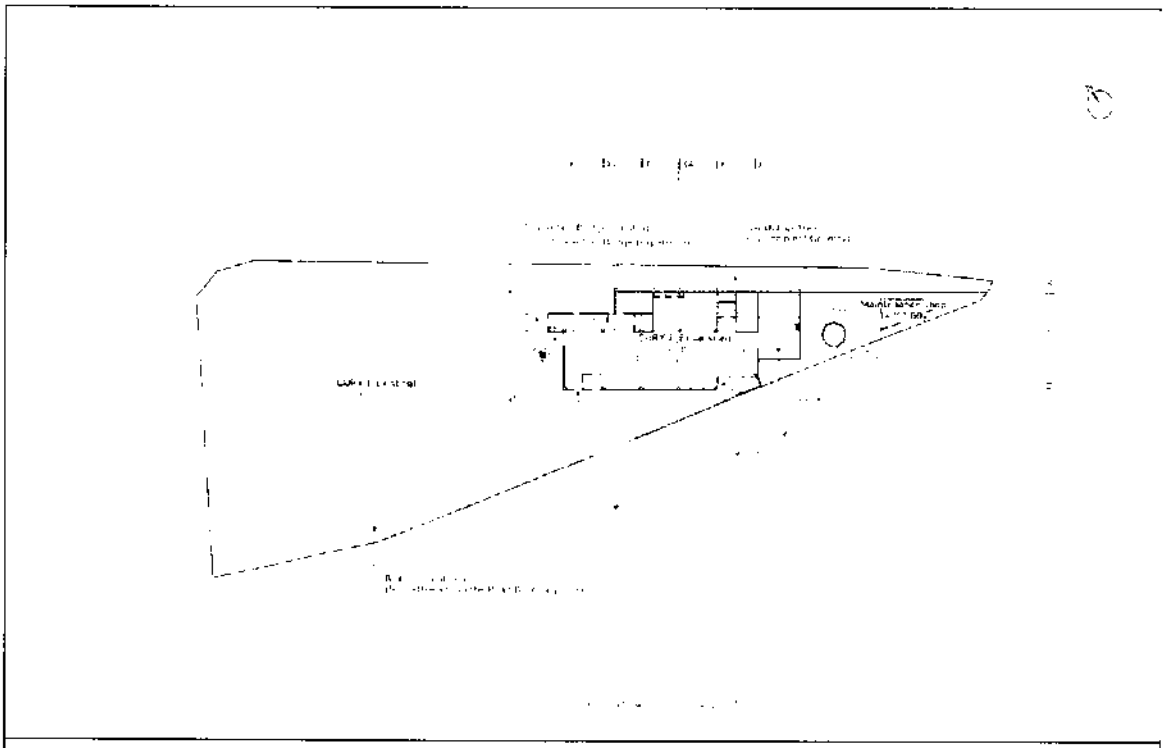
< Architectural Outline >

Category	Content
Site location	VGC6+52Q, Yaoundé, Cameroon (Hôpital Central de Yaoundé, Quartier Messa, Yaoundé 2)
Site area	1,328.94 ㎡ (hospital total: 4,169.65 ㎡)
Road condition	North 8m road, South 12m road
Building area	Existing 1,719.42 ㎡ / EMS 682.30 ㎡ / Total 2,401.72 ㎡
Gross floor area	Existing 2,737.73 ㎡ / EMS 2,583.54 ㎡ / Total 5,321.27 ㎡
Building-to-cover ratio	Existing 41.24% / EMS 15.46% / Total 57.60%
Floor area ratio	Existing 65.66% / EMS 61.96% / Total 127.62%
Number of floors	5 stories above ground (GF ~ 4F), two(2) elevators to be installed
Building height	24.7m
Structural system	RC (Reinforced Concrete), uncoupled wall system, MAT foundation
Parking plan	Total 9 parking spaces (including 8 ambulance parking)

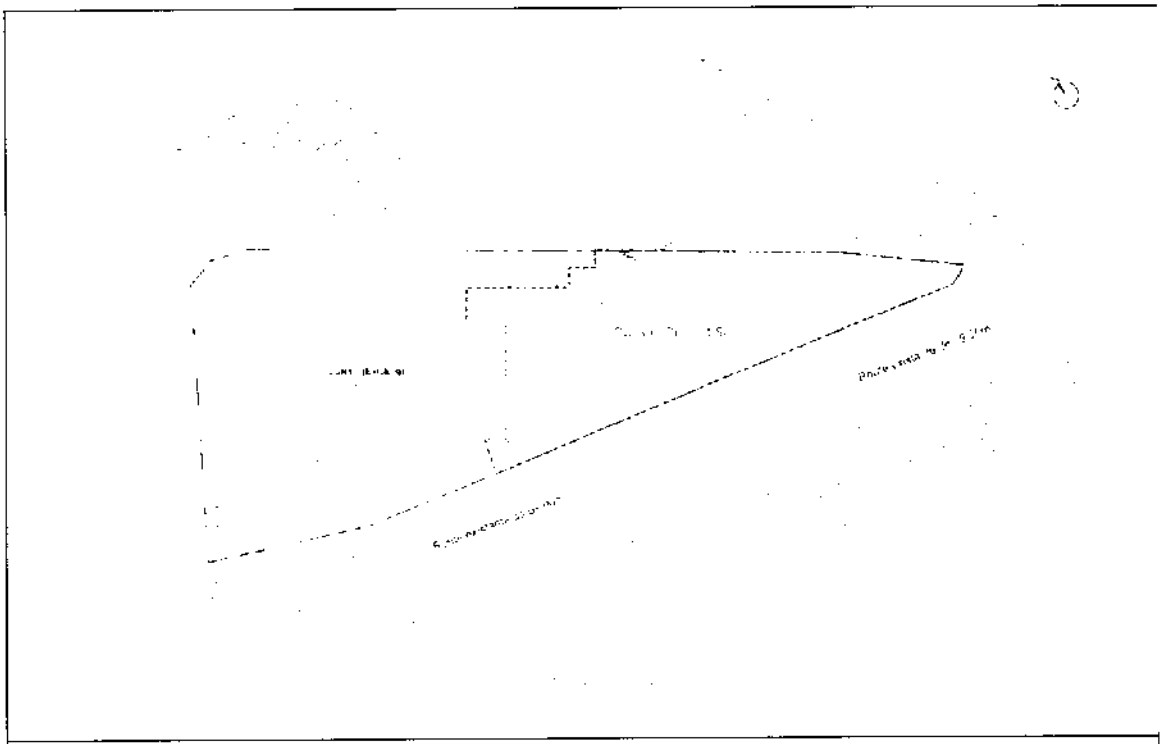
KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

< Table of Floor Area (EMS) >

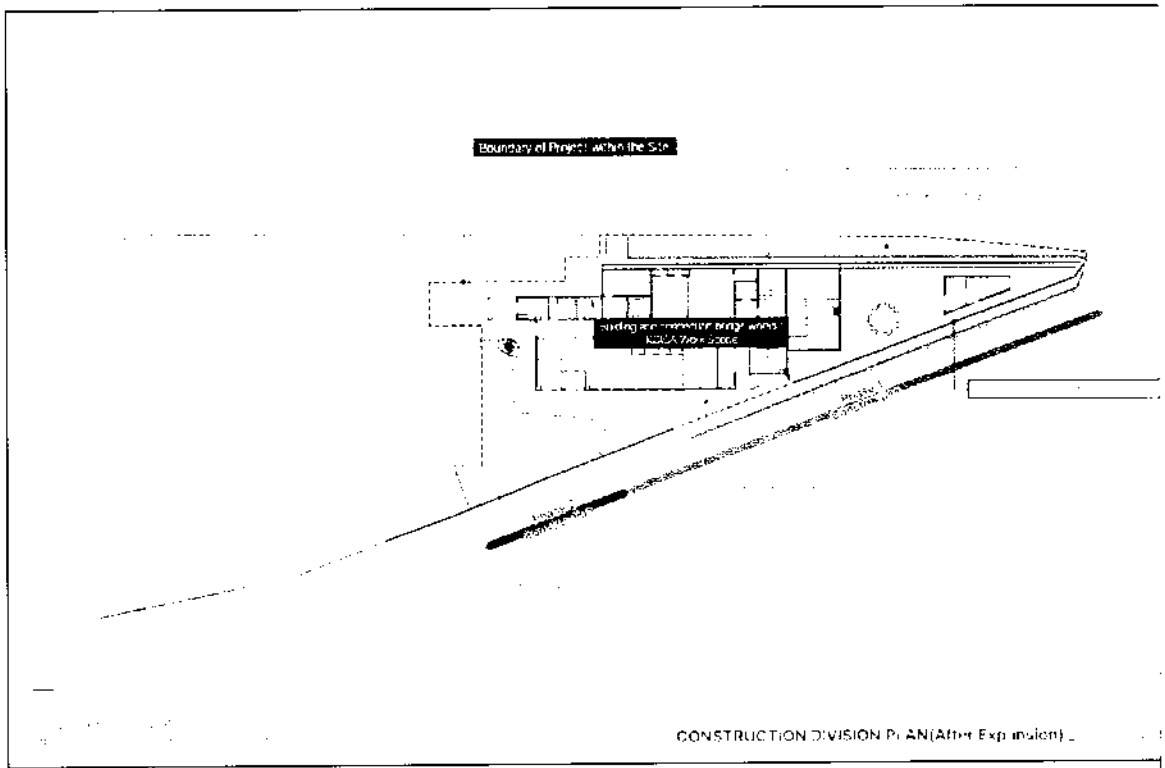
Floor	Purpose	Area(㎡)
RF	Water Tank Room	86.26
4F	Simulation Center & SAMU & Control Center	384.55
3F	Ward (General Ward, 20 beds)	437.08
2F	ICU / HCU (11 beds)	469.51
1F	Surgery (3 Operation Rooms, CSSD)	631.81
GF	ER (8 beds), SAMU, Mechanical Room, Storage	574.33
Total		2,583.54



Site Plan (After Expansion)

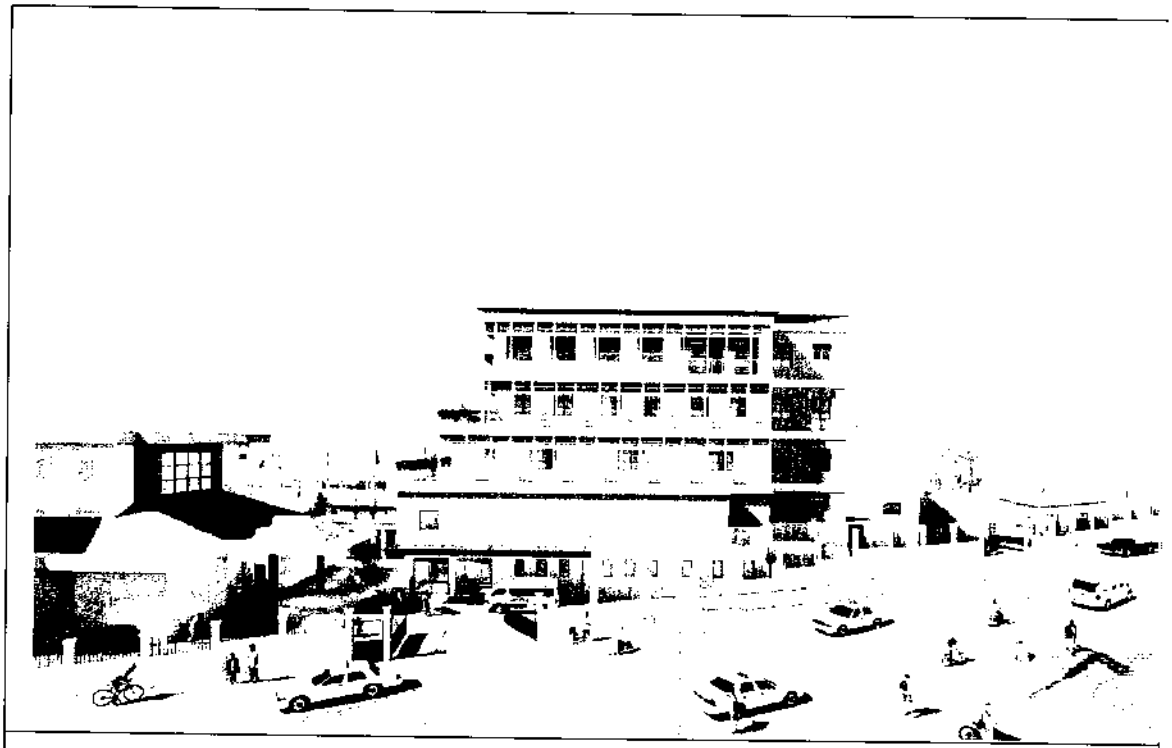


Site Plan (Existing) – Boundary of the Project



Scope of Work Plan – Construction Division Plan (After Expansion)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON



Bird's-Eye View (EMS)

Description of Works

Building

Structural works: reinforced concrete (RC) structure with an uncoupled wall system as the lateral load resisting system, general RC slab and MAT foundation (foundation slab depth 800mm); concrete fck = 25MPa (C25/30), rebar fy = 500MPa, steel Fy = 235MPa for canopy members

Architectural works: five(5) stories above ground (GF ~ 4F) with a gross floor area of 2,583.54 m², including external finishes (textured paint coating, aluminium louvered panels and grills, THK0.6 galvanized steel sheet (real zinc) roofing, tempered and shutter glazing) and interior finishes in accordance with the interior finish schedule

Connecting bridge between the EMS building and the existing CURY 1

Two(2) elevators (inpatient elevator and staff/material elevator)

Mechanical works including plumbing and sanitary works (city water supply, water tank for one(1) day use, booster pump, electric water heaters, flush-valve water closets), drainage and wastewater works (septic tank and soak pit), and HVAC works (single type air conditioners, supply and exhaust fan

KOICA KOREA INTERNATIONAL COOPERATION AGENCY CAMEROON

system with filter boxes for the operating rooms, energy recovery ventilators for ER and ICU, natural ventilation and roof exhaust fans)

Medical gas system including air compressor, vacuum pump and gas manifold, with Air / VAC / O_2 outlets to the operating rooms, ER, ICU/HCU, preparation and recovery room, resuscitation room and wards

Electrical works including power receiving and transforming equipment (3Ø 400kVA, P.V. 30kV / S.V. 3Ø 4W 400/230V), emergency generator (3Ø 300kW / 375kVA) with a 1,000-liter fuel tank, UPS (80kVA), distribution boards, 100% LED lighting, receptacles and bed consoles, and lightning protection and integrated grounding system (grounding resistance 5Ω or less)

Communication works including structured cabling (backbone: F/O cable 8 core for DATA and UTP Cat.5e for VOICE; horizontal: UTP Cat.6 for DATA and VOICE), DATA and VOICE MDF/IDF, telephone and internet, MATV and satellite antenna, nurse call, public address and CCTV (2 megapixel cameras with 22-inch monitor)

Fire protection works including automatic fire detection and alarm system (manual call points and strobes installed within 25m), indoor hydrant system (installed within 25m) with fire pumps (main and stand-by 260LPM/50m, jockey 60LPM/50m) in the roof pump room, fire extinguishing water tank and LED exit lighting

Built-in furniture, signage, and others

Exterior works

Demolition works within the boundary of the project including the existing exterior stairs, the existing retaining wall and other existing structures, the existing guardhouse and the existing boundary wall

All the civil works including grading, cut and fill, site drainage, and RC retaining walls (L-type and inverted L-type)

Excavation and foundation works applying the open cut method and the H-pile + lagging method, MAT foundation, and plate bearing test (PBT) for verification of the allowable bearing capacity

Topographic and geotechnical survey

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

New external side ditch (cast-in-place U-type trench 300×300 and 500×500) and double-wall PVC pipe (D300, earth cover at least 1.0m) discharging to the existing roadside ditch by gravity flow

Septic tank, soak pit and connection pipe (D300), and water supply pipe (D50) connection

ER drop-off zone, parking lot and site paving works

Landscaping and paving for pedestrian circulation

New boundary wall and entrance gate

Signage

Utilities connection including storm water, electricity, water, and sewage

Other necessary exterior works shown on drawings

Other works included in the scope

All permits, licences and approvals required for the execution of the Works from the commencement to the completion of the Works, and the handling of any civil litigation arising in connection with the Works

Preparation and submission of the as-built drawings and the operation and maintenance (O&M) manual

For details refer to construction documents including specifications, drawings, and bid documents.

※ The external side drain shall be constructed together with the main construction works in order to prevent stormwater drainage problems within the site.

※ The works indicated as "By Recipient Country" in the Construction Division Plan (backfilling and gutter works, part of the demolition works, etc.) are excluded from the Contractor's scope of works. The Contractor shall coordinate the interfaces with the Recipient Country so that the Contractor's works are not affected.

※ If, after completion of the detailed design, any extension or facility modification by the Hospital results in site conditions within the project area differing from the design drawings, or is expected to affect the construction works, the Contractor shall consult with CURY, the Supervisor and KOICA and obtain their approval prior to commencing the relevant construction works.



2. PARTICULAR REQUIREMENTS

2.1 Site office

The Contractor shall provide working space for supervision consultant from the commencement date until the completion of the Work and handover to the Employer. Office equipment like desks, and chairs, power feed and water supply shall be provided for the minimum working conditions.

Daily transportation provision for CM and supervision consultants shall not be the Contractor's responsibility.

The site office shall be provided as a temporary container unit, or a prefabricated / modular unit of equivalent or higher standard.

Site offices constructed of non-durable materials such as timber framing and boarding shall not be permitted. However, a prefabricated facility may be used where the Contractor demonstrates to the Supervisor durability, waterproofing, fire-resistance and security performance equivalent to or better than a container, and obtains prior written approval.

The site office shall provide the following performance: waterproof and moisture-resistant construction; lockable doors and windows; adequate ventilation and natural lighting; air-conditioning or ventilation; and low-firerisk finishes.

It shall include office and meeting space and sanitary facilities (e.g. toilets), and shall have secure foundations and anchorage to withstand the rainy season and strong winds.

This requirement is justified by the site's location in central Yaoundé and adjacent to an operating hospital (CURY), which requires durability, security, fire safety and appropriate appearance of the facility, and by the availability of container or equivalent modular units in-country.

2.2 Works within an operating hospital

The Works are carried out within the compound of the Hôpital Central de Yaoundé, which remains in operation during the construction period. The Contractor shall plan and execute the Works so that the operation of the existing hospital including CURY 1, is not interrupted.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Access of emergency vehicles to the existing emergency department and to the ER drop-off zone shall be maintained at all times during the construction period.

The Contractor shall take measures to control noise, vibration, dust and construction waste, and shall agree the infection control measures with the Employer, CURY and the supervision consultant before commencing the Works.

2.3 Concrete placement method

All structural concrete for the Works shall, as a rule, be placed using readymixed concrete (plant-produced RMC).

On-site volumetric (shovel) batching and hand-mixed placement by manual labour is strictly prohibited.

An on-site batching plant may be used only by exception, subject to the prior written approval of the Employer (Supervisor), provided that all of the following conditions are met: (1) weigh-batching method; (2) use of a forcedaction mechanical mixer; (3) compliance with the approved mix design; and (4) compliance with the testing and inspection requirements set out below.

The concrete supplier (ready-mix plant or on-site batching plant) shall submit the mix design for the Employer's approval prior to commencement.

Quality control: a slump test shall be carried out for each pour, and the specified number of test specimens shall be taken and shall pass the compressive strength tests at the prescribed ages. Concrete failing to comply shall not be delivered or placed.

This requirement is justified by the site's location in central Yaoundé (adjacent to CURY Hospital) where ready-mixed concrete is reliably available; by the need to prevent noise, dust and quality variation from on-site batching on the constrained hospital-adjacent site; and by the requirement to ensure concrete soundness for a medical facility.

2.4 External scaffolding

External scaffolding to the building shall, as a rule, be steel (tubular) scaffolding, and a safety net for fall and falling-object protection shall be installed over the entire external face.

Scaffolding made of non-standard materials such as timber or logs, and scaffolding assembled by manual lashing, shall not be permitted.

A proprietary system scaffold providing safety equivalent to or better than steel tubular scaffolding may be used only with the prior written approval of the Supervisor.

Scaffolding shall be designed and erected in accordance with the relevant safety standards, and a scaffolding erection plan (including structural verification) shall be submitted for the Supervisor's approval before commencement.

Safety nets shall comply with KS or an equivalent international standard and shall be replaced immediately upon any damage.

This requirement is justified by the site's location adjacent to an operating hospital (CURY), which requires protection of third parties (patients, visitors, passers-by) from falling objects, and by the need for structural stability of scaffolding given the constrained site conditions.

2.5 Construction traffic management

A traffic controller or signaller (flagman) shall be deployed during the operation of all construction vehicles, including concrete pump trucks, readymix trucks, forklifts, and vehicles waiting for material delivery or removal.

In particular, the deployment of a signaller shall be mandatory in the following cases: (1) when a vehicle enters or exits a public road; (2) when a vehicle is reversing; and (3) when a vehicle crosses a hospital access road, ambulance route, or pedestrian walkway.

Traffic controllers and signallers shall wear and use the necessary equipment, including a high-visibility safety vest and signalling baton, and shall have completed the relevant safety training.

This requirement is justified by the site's location adjacent to an operating hospital (CURY), where construction-vehicle routes intersect with ambulances, patients and pedestrians, thereby requiring assured safety.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

2.6 Temporary site fence (hoarding)

A solid (opaque) temporary hoarding shall be installed along the entire boundary of the works area. It shall be of steel sheet (e.g. corrugated steel) panels with an effective height of not less than 2.0m.

The boundary shall not be substituted by flimsy or open temporary screens alone, such as timber, tarpaulin or banners.

Posts shall be fixed on concrete foundations, with bracing at appropriate intervals to resist wind loads.

Vehicle and pedestrian gates shall be lockable and shall be locked at night and during non-working periods.

Sections adjacent to the hospital access road, ambulance route or pedestrian walkway shall be provided with warning signage and night-time reflective / lighting installations, and a temporary pedestrian walkway shall be provided where necessary to ensure pedestrian safety.

The hoarding shall be free of sharp or protruding parts, shall be kept clean and painted throughout the construction period, and shall be repaired immediately upon any damage.

This requirement is justified by the site's location in central Yaoundé and adjacent to an operating hospital (CURY), which requires dust screening, security and the safety of third parties (patients, visitors, pedestrians), as well as structural stability against the rainy season and strong winds.

2.7 Contract schedule

2.7.1 General

Contract Period: Seven hundred sixty(760) days from the date of signing the Contract.

Construction Period: Seven hundred thirty(730) days from the date of commencement.

The Contractor shall commence the Construction Works within thirty(30) days after signing the Contract.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

The Contractor is deemed to provide a detailed schedule for each work items and overall contract performance schedule for the purpose of management and supervision.

Project schedule for the project should include national holidays, Easter, and raining season.

Schedule shall include planned progress rate, actual progress rate, and milestone (such as commence date, pre-final inspection, test and commissioning, and final inspection.)

Test and commissioning and pre/final inspection period shall be within the contract period.

The Contractor shall submit the construction schedule within fourteen(14) days from the date of signing the Contract.

2.7.2 Material delivery schedule

Prepare delivery schedule of major materials, imported materials and long lead items. Please see the table below for reference.

All process and status needs to be updated periodically.

The Contractor shall submit material delivery schedule within fourteen(14) days from the date of signing the Contract.

Item	Date	Approval	Order	Factory Manufacture	Delivery	Custom Clearance	Arrival on Site	Installation	Testing	Inspection
Generator	P: A:									
UPS	P: A:									
Elec. Boards	P: A:									
Transformer	P: A:									
Elevator	P: A:									
CCTV	P: A:									
Fire Fighting	P: A:									
Data Rack	P: A:									

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Air Conditioner	P: A:									
Medical Gas Equip.	P: A:									
Booster / Fire Pump	P: A:									

※ P: Planned, A: Actual

2.8 Summary of tasks

2.8.1 Commencement phase

Topographic and geotechnical survey shall be carried out prior to commencement date of the Works.

Investigation of the status of construction site that will be acceptable to work pursuant to design documents of the Contract.

Review any errors, omissions, defects, or technical issues of construction documents and notify the supervision consultant within fourteen(14) days of receiving the relevant documents.

Submit the notice of commencement within fourteen(14) days after signing the Contract. Please see GCC Article 4.17 for details.

2.8.2 Construction phase

Payment request for completed Works every 20% of progress construction works.

Request for approval of materials, equipment, etc.

Request for inspection of completed works

Submission of shop drawings

2.8.3 Completion phase

At completion, the Contractor, the supervision consultant, CM and Employer's parties will jointly inspect the facility to confirm its readiness for occupation, and identify any unfinished works.

The Contractor should request the pre-final completion inspection at least one month prior to the date of request for completion(final) inspection

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

The Contractor should request the completion inspection at least fourteen(14) days prior to the contract completion date.

The Contractor should request the completion inspection to the supervision consultant inclusive of corrected pre-final inspection punch list, as-built drawings, test and commissioning report and the operation and maintenance manual prepared in accordance with the supervision consultant's instructions.

3. CONTRACT ADMINISTRATION

3.1 General

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

The construction shall be executed in accordance with Cameroon construction law, all statutory instruments and codes of practice applicable

at the commencement of the works or known to be coming into effect during the progress of the works and in accordance with the particular requirements of the Employer.

The completed facility shall be handed over in sound, weather tight and clean condition with all defects and minor items complete and all systems tested and commissioned ready for use and totally fit for the purpose intended.

Acquire the permits from the municipality and other approval from the governmental authority to proceed with the Works.

Request inspection and payment.

Submit reports, as-built drawing and operation and maintenance (O&M) manual.

The Contract shall be governed by Korean and Cameroonian laws. The contract language and the language for all communication shall be English.

Any dispute which cannot be settled amicably shall be finally settled by international arbitration administered by the Korean Commercial Arbitration Board (KCAB) in accordance with the International Arbitration Rules of the KCAB.

The Employer has no authority or responsibility for any tax, including value added tax, arising out of the Contract. The competent authority designated for the collection and refund of taxes under Cameroonian law is the Ministry of Public Health of Cameroon.

The Contract Price is a fixed lump sum price and shall not be adjusted for changes in cost during the contract period (price adjustment is not applicable). The successful bidder shall submit the breakdown of the contract price (bill of quantities) before the commencement of the Works or as otherwise specified in the Contract.

3.2 Responsibility of the Contractor

3.2.1 Construction organization on Site

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

The Contractor shall prepare organization of a construction for the whole works and specific work items, and mobilization schedules of personnel, materials and equipment for the performance of the contract.

Within ten(10) days from the contract date, the Contractor shall submit the Employer a key personnel list for the construction organization and their relevant assignments. Any personnel replacement shall subject be to the Employer's prior approval.

3.2.2 Cooperation between the Employer, the Engineer and the Contractor

The Employer shall be responsible for providing the Contractor with all documents in relation with the Works such as drawings and specification. The Contractor shall carry out activities with the defined site boundary, and boundary violation is not allowed.

3.2.3. The Contractor's quality management, control and supervision

The Contractor shall state quality control to be applied for the contract performance.

The Contractor shall lead and coordinate with the subcontractors and equipment supplier, who will supply and install equipment under the separate contract, to make the Project fully operable.

The "KOICA Cameroon Quality Management Procedure" attached hereto as Attachment 1 shall be mandatorily applied to the Works, and the Contractor shall perform the Works in accordance with that procedure.

The procedure covers five(5) key processes — material approval, material inspection, construction inspection, commissioning (final inspection) and handover (completion inspection). The Contractor shall prepare and submit the request and report forms prescribed in the procedure and shall obtain approval before proceeding with the subsequent works ("No Record, No Work").

All costs arising from the implementation of the quality management procedure — including the preparation of documents, testing and inspection, sampling, factory inspection, reproduction of the standard forms, maintenance of records and the related personnel — shall be borne by the Contractor.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

shall be deemed to be included in the Contract Price, and no additional payment shall be claimed in respect thereof.

3.2.4 Traffic control

The Contractor shall be responsible for construction organization and traffic control to ensure safety.

The Contractor shall have protective measures against traffic infrastructure.

Traffic organization, temporary road inside fence shall be provided by the Contractor.

3.2.5 Site security

The Contractor shall be responsible for the security on the Site and cost arising from it. If guard on the site is required, the Contractor shall pay for the cost.

3.2.6 Construction Schedule

The Contractor shall prepare a detailed work programs (such as MSProject) to indicate execution of work and submit to the Employer for its prior approval. The Employer may request the Contractor to adjust the schedule.

The Contractor is deemed to anticipate any possible incidents that may affect the implementation progress in so that the overall contract performance schedule may not be prevented.

3.2.7 Work safety

The Contractor shall take work safety measures in accordance with local regulation.

The Contractor shall indicate measures in relation with ensuring work safety during the contract performance period. The Contractor shall be responsible for any incurrence arising from his incompliance with work safety regulations on the Site and in neighboring areas.

The safety management cost shall be included in the Contract Price in an amount not less than zero point five percent (0.5%) of the total construction cost excluding the contingency, and the actual expenditure of the safety management cost shall be settled at the time of completion.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

The Contractor shall comply with the KOICA Safety Management Manual for Construction Works and with the particular conditions of the Contract in respect of safety management.

3.2.8 Plant, equipment for the execution of works

The Contractor shall be responsible for providing plant, equipment required for the execution of the works in accordance with design documents.

3.2.9 Approval of sub-contract

Subcontracting is not permitted unless otherwise specified in the Contract. Where the Contractor exceptionally desires to subcontract a certain portion of the Work to a subcontractor, the Contractor shall obtain the prior written approval or consent of the Employer and shall provide the following information.

Project name and contract price

Scope of subcontract, subcontract price, name of the subcontractor

Subcontract period and estimated construction schedule

Reasons for the subcontract (or reasons for any change of subcontractor or subcontract conditions)

A copy of the subcontract agreement

Selection criteria and qualification of the subcontractor including permits, licenses limit of subcontract amount as required by the applicable law

Permission, if applicable, to pay the subcontract price directly to the subcontractor.

Qualification requirements of site representative and copy of the licenses, technical experience certificate

The Contractor shall not select as a subcontractor, a person or entity that is placed on probation or suspension due to violation of the applicable law.

3.3 Defect (Warranty) period

The defects notification period shall be two(2) years from the date of the taking over of the Works. The Contractor shall arrange for extended warranties to be

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

provided on all building and facilities such that these cover this period, and the Contractor shall be responsible for the repair of any defect notified during this period at its own cost.

The Contractor shall have the right of access, at all reasonable working hours, to all parts of the facility for the purpose of inspecting the working of the installations.

Notwithstanding the defects notification period above, the decennial liability of the Contractor (RC Décennale) under Cameroonian law and the corresponding insurance shall remain in force for ten(10) years.

3.4 Insurance

The Contractor shall take out and maintain a Construction All Risks insurance (TRC/CAR) in its own name. The insurance shall be effected before the commencement date and shall be maintained for the whole construction period.

The Contractor shall take out and maintain a decennial liability insurance (RC Décennale) in accordance with Cameroonian law. The insurance shall be effected within thirty(30) days before the delivery of the Works and shall cover a period of ten(10) years thereafter.

The Contractor shall provide all other insurances required by the applicable law and by local practice for the execution of the Works.

Copies of all insurance policies and evidence of payment of the premiums shall be submitted to the Employer for approval before the commencement of the relevant works.

The Contractor shall appoint a technical control body (bureau de contrôle technique) acceptable to the Employer and to the insurer for the purposes of the decennial liability insurance (RC Décennale), and the appointment shall be subject to the Employer's prior approval.

All costs in connection with the decennial liability insurance, including the fees of the technical control body, the insurance premiums, the required inspections and the issuance of the certificates, shall be included in t

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Contractor's scope of works, shall be borne by the Contractor and shall be deemed to be included in the Contract Price.

3.5 Contract securities, payment and delay damages

Performance security: an unconditional bank guarantee in the amount of fifteen percent(15%) of the Contract Price. The guarantee period shall start from the contract date until sixty(60) days after the end of the contract period.

Advance payment: twenty percent(20%) of the Accepted Contract Amount, payable in the currency of the Contract and adjustable. The advance payment shall be paid upon the presentation of a bank guarantee covering one hundred percent(100%) of the advance, the guarantee period of which shall start from the advance payment date until sixty(60) days after the end of the contract period.

Retention: three percent(3%) by a bank issued bond. If both parties agree on the retention as a maintenance deposit, three percent(3%) shall be deducted from the final payment and shall be returned thereafter.

Delay damages: zero point zero five percent(0.05%) of the final Contract Price per day, in the currencies in which the Contract Price is payable, up to a maximum of thirty percent(30%) of the final Contract Price.

Contingency: three percent(3%) of the total construction cost. The contingency, in whole or in part, may be used only upon the express instruction of the Employer.

3.6 As-built drawing

The Contract shall prepare as-built drawings for all completed work items and submit it to the Employer at the time of request for the completion inspection.

The Contractor shall submit all as-built drawings to the Employer in hard copy (One set) and digital data storage device.

3.7 Operation & maintenance

3.7.1 Replacement parts

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

At least one month before handing over to Employer, the Contractor shall submit to Employer a schedule of replacement parts that should be obtained and kept in stock for maintenance of the services installations.

For architectural finishing materials, the Contractor shall retain a spare quantity equivalent to three percent(3%) of the installed quantity of each material for defect repair purposes, and shall hand it over to the Employer at the time of the taking-over of the Works. The cost of such spare materials shall be deemed to be included in the quoted unit rates, and no additional payment shall be claimed in respect thereof.

3.7.2 Operation & Maintenance (O & M) Manual

Prepare O & M manual and submit to the Employer a copy when the Contractor requests the completion inspection.

The O & M manual are to be furnished in English.

The O & M manual must include:

A full technical description of the systems installed to ensure that the Employer's operation and maintenance staff can fully understand the scope and facilities provided

Diagrammatic drawings of each system indicating principal items of plant, equipment, valves, etc.

All as-built drawings shall be provided in an agreed CAD format

Legend for all color-coded services shall be included

Schedules of plant, equipment, valves, etc., stating their locations within the building, duties and performance figures. Each item of plant, equipment, valves, etc., installed shall have a unique code number crossreferenced to the record and diagrammatic drawings and schedules;

The name, address and telephone number of the manufacturers of every item of plant and equipment together with catalogues list numbers and the name and telephone number of local agents where appropriate;

Manufacturer's technical literature for all items of plant and equipment assembled specifically for the project, excluding irrelevant matter and

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

including detailed drawings, electrical circuit details and operating and maintenance instructions;

A copy of all Test Certificates (including but not limited to electrical circuit, tests, corrosion tests, type tests, works tests, start and commissioning tests) for the installation and plant, equipment, valves, etc., used in the installation;

A copy of all manufacturer's guarantees and warranties;

Starting up, operating and shutting down instructions for all equipment and systems installed;

Control sequences for all systems installed;

Schedules of all fixed and variable equipment settings established during commissioning;

Detailed recommendations as to the preventive maintenance frequency and procedures which should be adopted by the Employer to ensure the most efficient operation of the system and maintenance of all warranties

Lubrication schedules for necessary items of plant and equipment

A list of normal consumable items

A list of recommended spares to be kept in stock by the Employer, being those items subject to wear and deterioration and which may involve the Employer in extended deliveries when replacements are required at short notice

Procedures for fault finding

Emergency procedures, including telephone numbers for emergency services;

Detailed recommendations as to the maintenance and cleaning procedures for all significant finishes.

3.8 Reports

3.8.1 Daily Reports:

- Prepare a daily construction report recording the following information concerning events at project site.

  List of subcontractors at project site.

  Number of man power at project site.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Equipment at project site.

Material deliveries.

Major activities

High and low temperatures and general weather conditions. g) Accidents.

Meetings and significant decisions.

List of documents that report to the Employer or the Engineer

Unusual events (refer to "Special Reports" below).

3.8.2 Weekly Reports:

Prepare a weekly construction report recording the following information concerning events at project site.

Progress rate.

List of subcontractors at project site.

Approximate count of personnel at project site.

Equipment at project site.

Material deliveries.

High and low temperatures and general weather conditions.

Major activities (photos shall be included).

Accidents.

Meetings and significant decisions.

Unusual events (refer to "Special Reports" below).

Stoppages, delays, shortages, and losses.

Emergency procedures.

Orders and requests of authorities having jurisdiction.

Change Orders received and implemented.

Work Change Directives received and implemented.

Services connected and disconnected.

Substantial completions authorized.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

3.8.3 Monthly Reports:

Monthly construction report shall summarize major activities described in the daily and weekly reports.

Minimum of 12 digital images shall be taken and included to document the progress of construction each month with the following manner.

The photo shall have the same views from the same locations. Include photos of following when they apply to this work

Outside of the building

View of the main building entry.

Overall view of the building from the entry drive.

Include other selected vantage points to best show status of construction and progress since last photographs were taken.

Take exterior construction progress photos in daylight, at a time of day when the featured building elements are not in extreme shadow, and generally the same time of day as the photos taken the previous weeks.

Use highest point in the site to get overall view photographs of the project once a month. Get at least one view from each direction, including each of the four building faces, along with the entire site and entry from main access road.

3.8.4 Final Report:

Final report shall be included below.

Construction overview: summary, design change, contract change, etc.

As-built drawings

Photos: from commence date to completion

Check list: preliminary and final inspection

Laboratory records

Actual schedule

Maintenance manual

Training program (signed)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

3.6.5. Design Change Reports:

General

Any design changes from the original design documents that may result in a significant increase or decrease in the contract price and increase the Contract preiod shall be handled according to the Contract.

The Contractor shall submit the design change report through the Construction Supervisor and shall be required approval of the Employer.

Design change report shall be included below

requested by whom

the reason for the design change

the location

before and after drawings

BOQ.

Design change list including minor changes shall be included in the payment request document as an attachment. A minor change means a slight change in the installation of materials or construction technology or a slight increase or decrease of quantities that can be performed within the contract price.

3.6.6. Special Reports:

General

Submit special reports directly to Employer within One (1) day of an occurrence. Distribute copies of report to parties affected by the occurrence.

Reporting Unusual Events

When an event of an unusual and significant nature occurs at project site, whether or not related directly to the work, prepare and submit a special report. List chain of events, persons parting, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise the Employer in advance when these events are known or predictable.

Reports shall be made at the request of the Employer.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

4. ATTACHMENTS

- Attachment 1: KOICA Cameroon Quality Management Procedure (Distributed Copy, Revised for Bid)

- End -

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA Cameroon Quality Management Procedure

16. July. 2026

KOICA Cameroon Residence CM

Table of Contents

Quality Management Operation Plan

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA CAMEROON

Responsibilities and Authorities by Procedure

Detailed Implementation by Procedure

Material Approval

Material Inspection

Construction Inspection

Commissioning (Final Inspection)

Handover (Completion Inspection)

※ Appendix

1. Quality Management Operation Plan

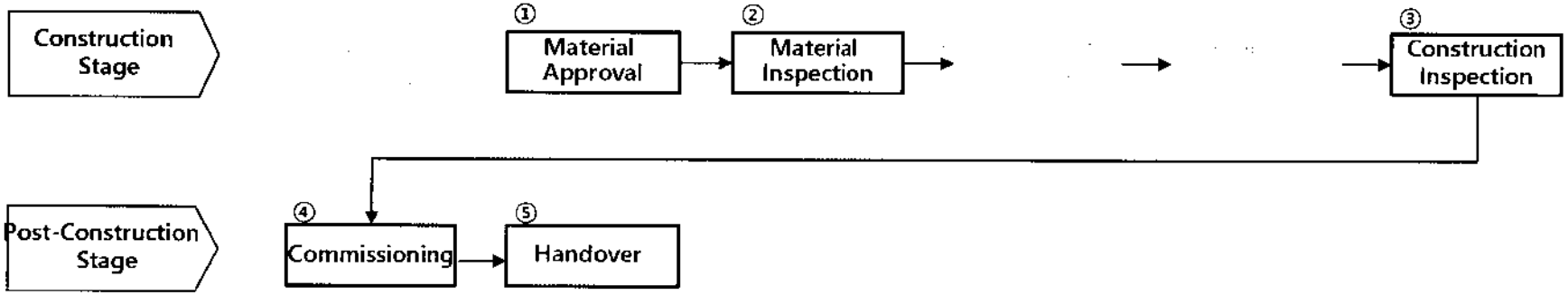
Purpose :

By establishing and implementing a construction-stage-specific quality management process suitable for local conditions, this procedure aims to:

Enhance supervision capability, and

Secure quality assurance throughout the project lifecycle.

■ CM Quality Management Target Processes



*** Among the quality management processes commonly operated under ISO 9001, five (5) key procedures (①–⑤) are selected as management targets, considering local site conditions.**

** The remaining procedures will be implemented on a selective basis following the selection of the contractor, subject to the project requirements and conditions.

KOICA CAMEROON
KOREA INTERNATIONAL COOPERATION AGENCY

2. Responsibilities and Authorities by Procedure

Purpose :

To prevent confusion among parties during quality management and ensure procedural convenience by defining responsibilities, authorities, and document circulation methods.

■ Standards for Quality Document Submission and Processing



Process	Items	Form	Responsibility & Authority				Remarks
			Contractor	Supervisor	CM	Client(KOICA)	
Material Approval	Material Approval List / Request Form	Appendix ①, ②	Prepare (Head Office)	Review	Review	Approve	1)
Material (*Factory) Inspection	Inspection Request / Factory Inspection Report	Appendix ③, ④	Prepare (Site)	Review	Approve	Post-check	2) **(*Major materials only)**
*Quality Test	Test Report (or accredited report)	-	Prepare (Head Office)	Approve	Confirm	Post-check	3) **(*Legally required only**
Construction Inspection	Inspection Request (If, Hold Point)	Appendix ⑤	Prepare (Site)	Approve	Confirm	Post-check	3)
Site Inspection	Site Inspection Report (Supervisor: Weekly Report/CM: Site Patrol Report)	-	-	Prepare	Review/Prepare /Approve	Post-check	**4)**
Commissioning	Inspection Plan / Result (Punch List)	Appendix ⑥, ⑦	-	Prepare	Review/Prepare	Approve	**4)**
Handover	Final Inspection Report / O&M Manual	Appendix ⑧	-	Prepare	Review/Prepare	Approve	**4)**

)

KOICA

JUNGLIM E&C

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

KOREA INTERNATIONAL COOPERATION AGENCY ★ 대한민국 정부 ★ CAMEROON KOICA

3 Detailed Implementation by Procedure

2)

The contractor prepares the request and submits it to the supervisor ▶ The supervisor reviews and sends it to CM by e-mail ▶ CM conducts additional review and forwards to the client ▶ CM confirms approval or rejection and closes the procedure.

The Contractor shall prepare the request form and submit it to the Supervisor (site document). ▶ Upon review, the Supervisor shall record the review results on the request form and forward it to the Construction Manager (CM) by e-mail or SNS. ▶ The CM shall then notify the Contractor and the Supervisor of the results of approval, conditional approval, or rejection, thereby concluding the procedure.

The Contractor shall prepare the request form and submit it to the Supervisor (site document). ▶ The Supervisor shall record the results of approval, conditional approval, or rejection on the request form and return it to the Contractor (site document). ▶ The Supervisor shall scan the completed document and transmit it to the Construction Manager (CM) by e-mail or SNS, thereby concluding the procedure

At the initial stage (approx. 1–2 months) or when a procedure is first applied, CM shall lead document preparation. Thereafter, CM may perform duties with supervisor cooperation.

Material Approval

Objective : The material approval procedure aims to verify the appropriateness of material selection in advance and eliminate potential issues—especially for long lead-time materials and equipment— to prevent construction schedule delays.

Work Flow	Remarks

3. Detailed Implementation by Procedure

3)

Contractor	Material Approval List (By BOQ, DWG, Specifications)		Material Approval List
Contractor	Selection of Material Approval Items. Preparation of Supporting Documents.		
Contractor	★Submit Material Approval Request Form		Material Approval Request Form
Supervisor	Review of Material Approval Request Form		
Employer	Review OK Decision OK		Official Letter Issuance (if required))

★The Material Approval Request Form shall be submitted in advance, taking into account the mandatory processing period of one (1) week, the material procurement and transportation period (? weeks), and the processing period of three (3) days for the Material Inspection Request. The Contractor has the obligation to manage the planned purchase order date and the planned on-site installation date as items included in the Material Approval List.

■ **Material Approval List (prepared by Contractor)**

■ **Material Approval Request Form (prepared by Contractor)**

■ **Reference Documents Required for Review :**

Relevant drawings and specifications (mandatory)

Manufacturer's license or factory registration

Certified test reports or certificates (mandatory)

Performance data / specifications (mandatory)

Product catalog or sample photos (mandatory)

The supervisor must thoroughly review material quality and performance.

The contractor shall actively cooperate with requests for additional information.

Material Inspection

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

3. Detailed Implementation by Procedure

4)

Objective : To verify that materials delivered to site are identical to those approved through the material approval process.

Work Flow	Remarks

3. Detailed Implementation by Procedure

Contractor

Contractor

Supervisor

Implementation of the Material Approval Procedure

Confirmation of Completion of the Material Approval Process

OK

★ Preparation and Submission of the Material Inspection Request

Material Inspection Request

Notification of the Results of the On-site Material Inspection

CAR / NCR

★When submitting a request and the request shall submitted

Review of Documents & Site Inspection, Issuance of the Final Opinion

OK

material inspection, the required processing period of three (3) days must be strictly considered, before personnel allocation and commencement of work.

■ Material Inspection Request : Prepared by the Contractor

■ Documents Required for Review and Site Verification :

Material Approval Request (Approved Documents)

Inspection Checklist (Contractor's Format)

Photographs of Materials Delivered to Site (Contractor's Format) ※ Two (2) photographs required; date and material name must be clearly indicated

BOQ, Drawings (DWG), and Specifications (Relevant sections excerpted and attached)

The Inspector shall verify that the materials delivered to the site have been approved in advance when conducting material inspection.

Only pre-approved materials may be delivered to site.

Unapproved materials must be removed immediately or go through approval.

KOICA CAMEROON 6/

3. Detailed Implementation by Procedure

	Responsibility lies with the contractor; the supervisor must ensure compliance.

Construction Inspection

3. Detailed Implementation by Procedure

/)

Objective :

To verify that approved and delivered materials are installed in accordance with drawings and specifications.

Work Flow	Remarks

KOICA

JUNGLIM

KOICA CAMEROON

3. Detailed Implementation by Procedure

8)

Implementation Procedure of the Material Inspection

Contractor

Contractor

Confirmation of Completion of Material Inspection

OK

Supervisor

Preparation and Submission of the Construction Inspection Request

Construction Inspection Request

Notification of the Results to the Contractor and Sharing with the (CM)

OK

★ The supervisor is the final approval authority for construction inspection. CM audits procedural compliance and may request corrective actions.

The Contractor is obligated to comply with the Inspector's instructions. shall

Any improperly executed work be corrected or dismantled and reconstructed.

All costs arising therefrom be borne by the Contractor, and the Inspector shall have the duty to conduct regular shall prevent the occurrence of such inspections to issues.

CAR / NCR

★ Site Patrol
(Verification of Proper Implementation of Procedures)
OK

■ **Construction Inspection Request : Prepared by the Contractor**

■ **Documents Required for Approval and Review :**

Inspection Checklist (Contractor's Format)

Site Construction Photographs (Contractor's Format)

※ Two (2) overall view photographs required; date and work location/area must be clearly indicated

Site Verification Photographs (Inspector's Format)

※ Two (2) inspection photographs required; date and inspected work location/area must be clearly indicated

BOQ, Drawings (DWG), and Specifications (Relevant sections excerpted and attached) ● The Inspector shall verify and thoroughly record that the materials installed on site are identical to the materials previously approved through material inspection, and that the construction has been carried out in

3. Detailed Implementation by Procedure

9)

	accordance with the drawings and specifications.

Commissioning (Final Inspection)

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA CAMEROON

3 Detailed Implementation by Procedure

10)

Objective :

To confirm that completed materials, equipment, and systems perform in compliance with requirements and local regulations.

Work Flow	Remarks

3. Detailed Implementation by Procedure

Supervisor	Preparation of the Commissioning Plan (by Room, by Section., by System and by Equipment)	Commissioning Plan	■ Commissioning Plan : Prepared by the Inspector and the Construction Manager (CM) ■ Punch List : Prepared by the Inspector and the Construction Manager (CM) ■ Documents Required for Inspection Implementation : As-Built / Final Drawings Specifications / Technical Specifications Manuals for Equipment, Devices, and Accessories ● The Construction Manager (CM) and the Inspector shall jointly prepare and implement the inspection(commissioning) plan. In the event that the Inspector identifies any issues related to permits or regulatory approvals, the Inspector shall submit a separate review opinion or Solutions accordingly.
	Revision and Supplementation of the Commissioning Plan		
Supervisor	Preparation of the Punch List Based on Commissioning Results	Punch List	
Contractor	Conduct of Inspections and Addition of Items to the Punch List, and Transmittal to the Contractor Punch List Treatment And Notificati to the (CM) on of Completion Status		
		CAR / NCR	
	Verification of corrective actions		
	OK		
Employer	Identification of Issues (Quality, Schedule, and Permitting/Approv al)	Official Letter Issuance (if required))	
	OK		

Handover (Completion Inspection)

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

3 Detailed Implementation by Procedure (2/2)

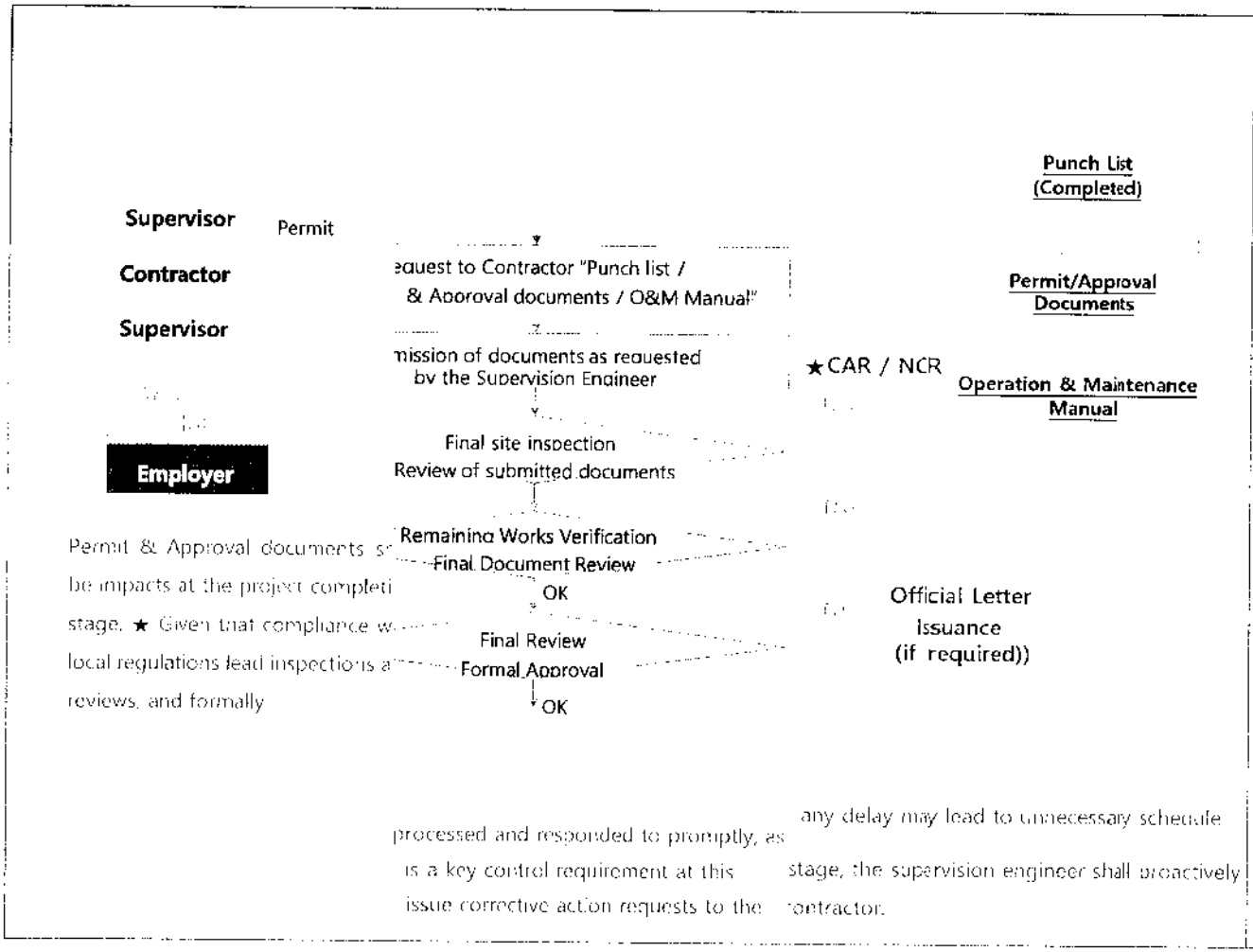
Objective :

To verify the completion of punch items and hand over operation manuals for future maintenance.

Work Flow	Remarks

3. Detailed Implementation by Procedure

13)



■ **Punch List : (Supervisor + CM)**

■ **Permit/Approval Documents : (Supervisor + CM)**

■ **Operation & Maintenance Manual : (Contractor)**

The supervision engineer shall be responsible for managing the list of documents required for project completion, monitoring the progress, and reviewing the adequacy of the submitted documents, while the contractor shall be responsible for their preparation and submission.

The operation manual shall serve as a fundamental reference for maintenance in the event of defects after project completion. It shall include, but not be limited to, user manuals and operation guides clearly defining material specifications, procurement sources, and precautions for use.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

※ ***No Record, No Work!***

※ Appendix

Material Approval List

Material Approval Request Form

Material Inspection Request Form

Factory Inspection Report

Construction Inspection Request Form

Commissioning Inspection Plan

Inspection Result (Punch List)

Operation Manual (Handover Document)

Terminology

※ No Record, No Work!

※ Appendix

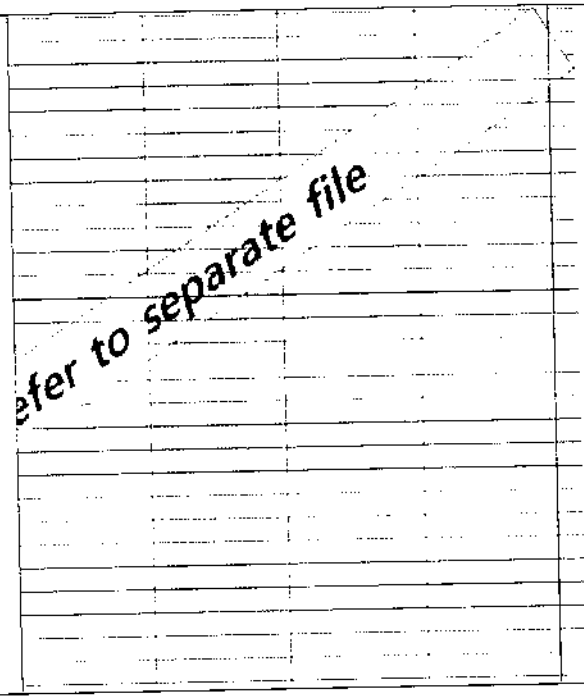
Item	Submittal (Datasheet) Date	Shop drawings (where applicable)	Technical Datasheet (where applicable)	Material Sample	Projected Port Arrival Date	Vendor Approval (KOICA)	Expected Purchase Date	Factory Test Cert.	Project Site Delivery Date	Site Inspection (CM)	Status
Air Handling Units (AHU)											Submitted
Ventilation Fans											Pending
HVAC Duct Systems											Pending
Air Filtration Units											Pending
Main Switchboards											Pending
Distribution Boards											Pending
Transformers											Pending
Generator Sets											Pending
Conduit pipes 20,25,32		Yes	Yes								Submitted
Surge Protection Devices											Pending
Fire Alarm Panels											Pending
Fire Detection Devices											Pending
Fire Pump System											Pending
Elevator System											Pending
Automatic Doors											Pending
LED Fixtures											Pending
Lighting Control Panels											Pending
Accessible WC Units (Disabled Toilets)											Pending

KOICA

JUNGLIM E&C CAMEROON

KOREA INTERNATIONAL COOPERATION AGENCY KOICA

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

Grab Bars / Handrails for Disabled Toilets				Pending
Accessible Wash Basins				Pending
Sensor Taps / Touchless Faucets				Pending
Water Closets (WC)				Pending
Urinals				Pending
Wash Hand Basins / Sinks				Pending
Kitchen / Utility Sinks				Pending
Floor Drains				Pending
Water Heaters				Pending
Booster / Pressure Pump Systems				Pending

※ No Record, No Work!

※ Appendix

Valves and Control Accessories				Pending
Shower / Mixer Sets				Pending
Surveillance Camera System (CCTV)				Pending
Access Control System				Pending
Network Racks and Cabinets				Pending
Network Switches / ICT Active Equipment				Pending
Structured Cabling Materials				Pending
Projectors				Pending
Projector Screens				Pending
Conference Audio System				Pending
Display / HDMI Distribution System				Pending
Hand Dryers				Pending
Soap Dispensers				Pending
Mirrors				Pending
Toilet Cubicles / Partitions				Pending
Signage / Accessibility Signs				Pending

Material Approval Request Form

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Request for Approval of Material & Equipment (Suppliers)

Date 20

We hereby request your review of the following materials. Please notify us of the results upon completion of your review.

Sample_Refer to separate file

Notification of Review Results

Date 20

We inform you of the review results for the above request as follows

※ No Record, No Work!

※ Appendix

Material Inspection Request Form

KOICA

JUNGLIM CM

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Appendix



nent Inspection

Date 20

owing materials Please notify on

eparate file

Results

Date 20

above request as follows.

1) Documents shall be maintained on site.

2) Due to the absence of communication facilities and printing equipment on site, standard forms shall be reproduced and maintained on site by the Contractor, and such documents shall be manually completed for on-site use.

3) Only documents that have been duly reviewed by the Supervision Engineer shall be recorded (by photographs), or attached to the supervision daily report, and shall be submitted or shared with the Construction Manager (CM).

※ No Record, No Work!

※ Appendix

Factory Inspection Report

KOICA

JUNGLIM C

KOICA CAMEROON

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY 무단 복제 금지

Appendix

백강관 (ERW) 자재 생산되는 공장의 검수를 실시하여, 원자재 성분기준 및 당현장 Spec 적합여부를 사전 확인하고 그에 따른 부적합 품질 Risk를 보완시켜 양질의 자재를 당현장에 적기 투입 시키는데 그 목적을 둠.

검수개요

1. 검수일정 : 17년 11월 09일
2. 공장위치 : [illegible]
3. 참가자
   - 품질(CM) : 강영석 책임 / 이범봉 주임)
   - MRO : (최학림과장 : 감영일 사원)
4. 검수품목 및 주요검수 항목
   - 원자재 성분 적합 여부 검측 : 공장 및 제품 관련 인증서 확인
   - 생산공정 품질관리 실시 여부 : 당현장 생산품 품질조건 확인
   - 주요항목 Test 및 작업자 사전인증제 실시필요

검수사진





Will be distributed additional when required

검수결과

NO	구 분	내 부 내 용	적합여부	비 고
[illegible]				

※ No Record, No Work!

※ Appendix

Construction Inspection Request Form

KOICA

JUNGLIM CM

※ No Record, No Work!

Appendix

Inspection Checklist

to separate file

1) Documents shall be maintained on site.

2) Due to the absence of communication facilities and printing equipment on site, standard forms shall be reproduced and maintained on site by the Contractor, and such documents shall be manually completed for on-site use.

3) Only documents that have been duly reviewed by the Supervision Engineer shall be recorded (by photographs), or attached to the supervision daily report, and shall be submitted or shared with the Construction Manager (CM).

※ No Record, No Work!

※ Appendix

Commissioning Inspection Plan

KOICA

JUNGLIM

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

KOICA SAMEHOON 한국국제협력단 KOREA INTERNATIONAL COOPERATION AGENCY

No Record, No Work!

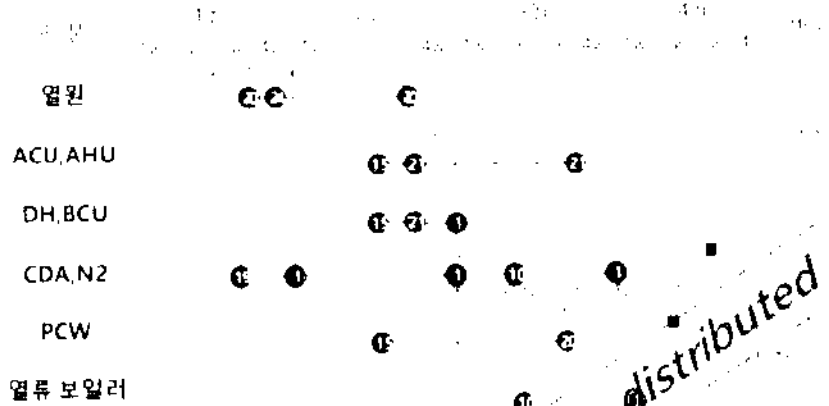
Appendix

1. 시운전 계획 Summary

열원 및 제반 Infra 성공적인 공급을 위해 LGES 운전반 및 유관부서 Co-Work으로 안정적 System 가동을 하고자 함.

시운전 일정 및 장비 현황

❯ 시운전 일정(Step 1)



❯ 장비현황

구분	수량	비고	구분	수량	비고
[illegible]	[illegible]		[illegible]	[illegible]	

수행 계획

❯ 중점 관리 방안

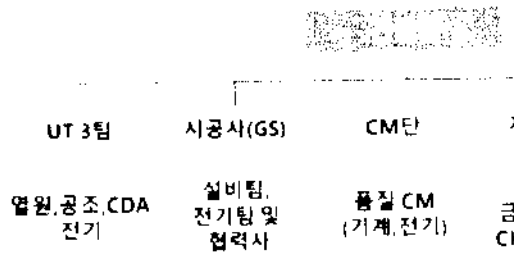
안전사고 예방 및 Leak 사고 Zero

- [illegible] 점검 강화로 위험요소 발굴 및 제거
- 유관부서 사전공유회 실시(시운전 D-7)
  - LGES 건설팀 & 시공사 주관 주요 Valve 및 설비 조작

주요 설비 Set up 및 안정화

- 단계별 시운전으로 장비 반입 前 열원, Utility Infra 시스템 공급 실시
- 시운전 후 결과 Report 기록관리

❯ 수행 조직



Will be distributed additionally when required

※ No Record, No Work!

※ Appendix

Inspection Result (Punch List)

KOICA

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

JUNGLIM CM

※ No Record, No Work!

KOREA INTERNATIONAL COOPERATION AGENCY CAMEROON KOICA

Appendix

2026 05 11

After Action Photo	Inspection Date	Completion (Planned) Date	Remarks (Site)
	2026/5/7		[redacted]
	2026/5/7		
	2026/5/7		SUPPTIC

rate file

JUNGLIM CM

※ No Record, No Work!

※ Appendix

Operation Manual (Handover Document)

KOICA

JUNGLIM

KOICA CAMEROON

KOICA CAMEROON KOREA INTERNATIONAL COOPERATION AGENCY

※ Appendix

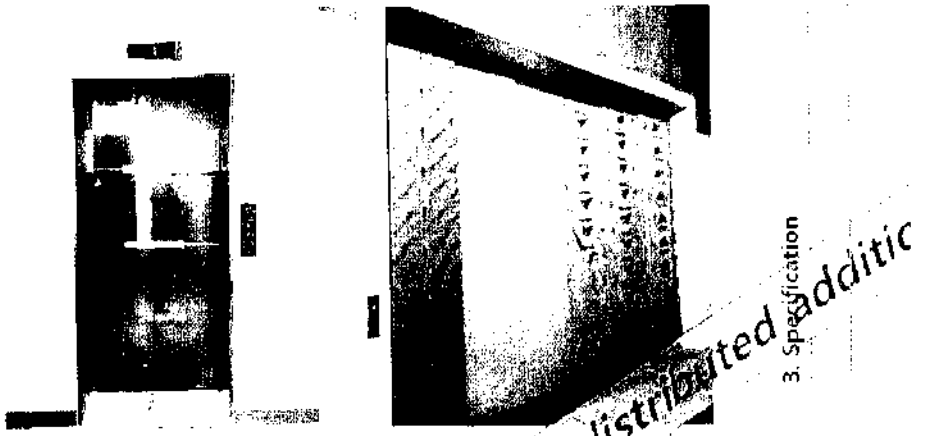
3.4.11.엘리베이터

★ GP3 승강기 검사 합격 증명서 (안승용)

1) 제품명칭 : 엘리베이터

2) 사용목적 : 인승용 / 화물용

3) 운전방법
- 1. 탑승 버튼으로 조작



3. Specification
Will be distributed additic

4) 제품정보
- 1 모델명 : 인승용(21인승) 7대 (GLVF-H
  화물용(11,3TON) 4대
- 2 제조사 : FUJITEC
- 3 공급사 : 광동풍령기전설비공정유한공사
- 4 A/S사 : FUJITEC , A/S
- 5 spare 여부 : 無

5) 설치장소
- 1. 인승) : 동측-CR2대
  서북측-1대, 남측-4대
- 2. 위치(화물) : 서북측-1대
  남측-2대, UT2 서측-1대

6) 연락망
- 1. 제조사 연락처 : 화승FUJITEC승강기유한공사 (TEL 86-316-608-8848)
- 2. 공급사 연락처 : 광주 분 공사 (TEL 86-21-6117-1000)
- 3. A/S사 연락처 : 광주 분 공사 (TEL 86-21-6117-1000)

※ No Record, No Work!

※ Appendix

Terminology

Level	Abbreviation	Meaning	Definition
D	Punch	-	"Punch" shall refer to minor defects or outstanding works related to products, equipment, documents, or deliverables which do not adversely affect their functionality, performance, safety, compliance with applicable regulations, or client requirements.. **Punch refers to finish-level quality management items.**
C	DN	Defect Notice	"DN (Deviation Notice)" shall refer to a formal document issued to report minor deviations or nonconformities from company procedures, work standards, or technical specifications, which do not adversely affect the critical functions of the product or system. represents the formal baseline for recording quality failures.
B	NCR	Non Conformance Report	"NCR (Non-Conformance Report)" shall refer to a formal report issued when a product, process, or quality system is found to be in non-compliance with specified requirements, including applicable standards, regulations, contractual obligations, client requirements, or internal quality criteria. **NCR represents the formal baseline for recording quality failures.**
A	CAR	Corrective Action Request	"CAR (Corrective Action Request)" shall refer to a formal request issued to require investigation and corrective actions aimed at preventing recurrence, when repeated non-conformities, systemic deficiencies, or potential significant risks are identified. **CAR is the stage that addresses the question, "Why do issues recur?"**

KOICA

JUNGLIM CM

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

※ No Record, No Work!

※ Appendix

RCR	**Root Cause Request**	"RCR (Root Cause Request)" shall refer to a formal document issued to require a structured root cause investigation for cases involving significant quality issues, safety incidents, major customer complaints, or regulatory and compliance risks, with the objective of identifying the fundamental causes beyond immediate corrective actions. **RCR is the stage that investigates in depth, "Why did the issue occur?"**

※ Minor defects (Punch, DN) shall be promptly corrected as a basic principle; however, where the same or similar issues are repeatedly identified, such cases shall be escalated to NCR or CAR for formal management.

※ Major nonconformities (NCR) and systemic issues (CAR, RCR) shall be subject to mandatory root cause analysis and implementation of corrective actions to prevent recurrence, and shall only be closed upon verification of the effectiveness of such actions.

※

Relevant Grounds

5.1 Scope of supervision services for construction

a. Before commencement of construction

i. Reviewing construction schedule ii, Cooperation in reviewing the construction contract, Instructing b. After commencement of construction

iii, Instructing constructor to have structure or site of construction to follow relative laws and regulations. iv. Checking appropriateness of construction plan and construction management. v. Instructing on-site safety management.

Reviewing progress schedule.

Reviewing - confirming detailed construction drawing viii. Reviewing - confirming appropriateness of structural location and size. ix. Reviewing - confirming execution of quality test and result of the test. x. Reviewing - confirming appropriateness of design change xi. Preparation of mid-term supervision report and final supervision report. xii. Reviewing » confirming construction progress payment. xiii. Other matters according to the contract of supervision service for construction.

5.2 Reporting and recording of supervision services for construction

Submission of Mid-term Supervision Report: on finishing reinforcing of roof slab.

Submission of Final Supervision Report: at completion of construction.

Preparation of Daily Supervision Log: on daily basis including progress photos, daily manpower input and work d. Weekly, Monthly Progress Report: on weekly / monthly bas description ete. is

5.3 The Construction service comprises all of the followings

a. General Scope of Construction Supervision services

i. The services required are the Construction Supervision Services conform to the requirements of "Copyright & Technical Supervision Services of Cameroon" to ensure that the building construction works conform to the requirements set out in the drawings, specifications, the applicable local laws and/or regulations.

ii, The required number of staffs to be assigned and allocated for the construction supervision during the construction period shall conform to the requirements of the local laws and/or regulations.

iii, The construction supervision is also aiming to achieve the required quality in accordance with the specifications, drawings and contract document and it is not the mandatory requirement of the applicable local laws and/or regulations iv. The construction supervision shall include the following tasks.

-. Construction quality assurance check.

-. Checking of Safety, Environmental requirements and etc. to conform the required applicable local laws and/or regulations.

-. Handling of various contractor's submittals.

-. Review of material submittal & recommendations.

-. Issue of non-conformance report and corrective action request.

-. Filing incoming and outgoing documents at site.

-. Reporting to the Employer according to the guidance to be issued later.

-. Review of the progress schedule. -. Review of Contractor's progress payment invoice.

v. Qualification of staffs to be assigned and allocated shall conform to the applicable local laws and/or regulations.

b. Description of Technical (Construction) Supervision Services

i. Assuring construction preliminaries and submittals, and performing functions and duties as prescribed by applicable laws and regulations of Cameroon including local codes and standards. ii. Assuring that the project is constructed against and according to approved and certified documents including construction drawings, specifications, shop drawings, etc., and maintaining control over such documents according to the requirements of quality management system and standards. iii, Managing the contractor's non-conformance and corrective actions. iv. Assuring job safety.

v. Providing construction and progress monitoring and inspection reports for the entire construction duration as instructed by the representative appointed by the Employer.

KOICA

JUNGLIM

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Supporting the Employer with faithful performance to ensure that the contractor delivers the best possible project on time, within the budget and with the designed quality.

Monitoring and managing environmental protection activities such as water leaks, noise, dust, vibration, run-off and waste control and prevent damaging the environment around the job site. The Consultant shall be actively involved in implementing environmental control program that aims at reducing the general public's discomfort.

Controlling the site boundaries. ix. Leading site construction supervisions in absence of the Employer's representatives. x. Establishing and controlling the site quality control system. xi. Establishing and controlling the site safety control system.

Making necessary reports to the government regulatory offices according to law and regulation requirements.

Assist building permits, licenses, contract close-out activities and documents, and occupancy permits.

Any other services incidental to the above activities and required to be legally, professionally or customarily performed by the Consultant in its capacity as the construction supervision consultant under the relevant law and regulations of the Carmeroon.

Contract for International Construction Works

This Contract for International Construction Works (this "**Contract**") is made on the _____ day of _____ 20XX (the "**Effective Date**")

BETWEEN

The _____ local office of the **Korea International Cooperation Agency** ("**KOICA**"), a governmental organization established under the laws of the Republic of Korea ("**Korea**") and having its registered address at 825, Daewangpangyo-ro, Sujeong-gu, Seongnam-si, Gyeonggi-do, Republic of Korea (13449) (the "**Employer**"); and

[*insert name*], a [*insert type of company i.e. limited liability*] company incorporated under the laws of [*insert jurisdiction*] and having its registered address at [*insert full address*] (the "**Contractor**").

CONTRACTOR'S COVENANT

In connection with the [*insert name/description of the project/development*] (the "**Project**") which KOICA is in the process of implementing in [*insert name of country in which the Project is being implemented*] (the "**Recipient Country**") and the related construction and construction works covered under [*insert name of contract*] (under Contract No. _____) (the "**Construction**" or the "**Construction Works**"), the Contractor hereby (i) represents and warrants to the Employer and KOICA that it possesses the requisite experience, expertise, qualifications and capabilities; (ii) agrees that all terms and conditions and ancillary or supplementary documents provided in connection with this Contract form part of this Contract; and (iii) covenants to fulfill its obligations under this Contract in good faith.

KEY TERMS AND CONDITIONS

The key terms and conditions of this Contract are as follows:

Contract Price: _____ (_____) (inclusive of VAT and other taxes)
Deposit: _____ (Type: _____)
Completion Deadline: _____
Rate of Liquidated Damages for Delay: [*0.05*% of the Contract Price] / day 5. Rate of Security Deposit for Defects: [3]% of the Contract Price
6. Contract Documents:
this Contract
General Conditions of the Contract for International Construction Works (the "**General Conditions**")
Special Conditions of the Contract for International Construction Works (including the Detailed Terms and Conditions, Schedules, Appendices, Annexes and Attachments) (the "**Special Conditions**")
Design Documents
Statements of calculation, proposal, instruction to bidders regarding the tender for international construction works and other tender documents, as well as other document that form part of this Contract (including without limitation notices and communications exchanged between the parties hereto in accordance with the terms of this Contract)

COUNTERPART EXECUTION

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

This Contract may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be duly executed and delivered by their duly authorised signatories as of the date first written above.

For the **EMPLOYER**	For the **CONTRACTOR**
_____ **Local Office of Korea International Cooperation Agency**	[***insert full name***]
_____	_____
Name:	Name:
Title: [Contracting Manager]	Title: [Representative Director / CEO]
Address:	Address:

General Conditions of the Contract for International Construction Works

Article 1 – General Conditions

Article 1.1 **Definitions**

(a) In addition to any defined terms used elsewhere herein, the definitions in this Article shall apply throughout this Contract:

이행보증	**"Bank Guarantee for Performance"**	means the guarantee provided pursuant to this Contract by the Contractor for the benefit of the Employer or KOICA to ensure the performance of its obligations under this Contract. The amount of the guarantee is set out in Section B of the Contract Agreement.
영업일	**"Business Day"**	means a day (other than Saturday, Sunday and a public holiday) on which banks (or government offices) are generally open in the Recipient Country.
산출내역서	**"Calculation Statement"**	means the Employer's Quantity Statement marked with details of the unit price and submitted by a bidder or the Contractor to the Employer before the submission of the notification of commencement of construction (the "**Notice of Commencement**").
이행보증금	**"Cash Guarantee"**	has the meaning given in Article 4.2(a) hereof.
착공일	**"Commencement Date"**	means the date specified in Article 7.1 hereof.
준공일	**"Completion Date"**	means the date indicated as the completion date on the taking over certificate issued in accordance with Article 9.1 hereof; provided that if the issuance of the taking over certificate is delayed due to reasons attributable to the Employer, the Completion Date shall be deemed to be the date on which the completion inspection is completed in accordance with Article 8 hereof.
준공기한	**"Completion Deadline"**	means the date set out in paragraph 3 of Section B of this Contract, being the date by which the Contractor has agreed to complete the Construction Works under this Contract. Unless otherwise specified elsewhere herein, the Contract termination date specified in paragraph 3 of Section B of this Contract shall be the Completion Deadline.

공사시방서	**"Construction Specification"**	means a book containing technical details that are too difficult to set out or include in the design drawings, such as technical descriptions and related statements regarding materials, equipment, construction system, construction standards and construction techniques used for the Construction Works.
공사감독관	**"Construction Supervisor"**	means an employee, supervisor or construction project manager appointed by the Employer to perform the duties set out in Article 3.1 of these General Conditions.
공사	**"Construction Works"**	has the meaning given in Section A of Contract Agreement.
계약	**"Contract"**	has the meaning given in the preamble, and includes all of the contract documents listed in paragraph 6 of Section B of this Contract. Any citation of this Contract shall be deemed to refer to the relevant provisions of these General Conditions unless otherwise specified.
계약합의서	**"Contract Agreement"**	means the contract document signed by and between the parties.
계약기간	**"Contract Period"**	means the period specified in paragraph 3 of Section B of this Contract. Where paragraph 3 of Section B only specifies the completion deadline and does not separately specify the contract period, "**Contract Period**" shall be deemed to mean the period commencing on the Effective Date and ending on the date on which the Contractor fulfills all of its obligations under this Contract. The Contract Period may be amended by the mutual written agreement of the Employer and the Contractor or by the Employer providing written notice to the Contractor, without obtaining the prior consent of the government of the Recipient Country.
계약금액	**"Contract Price"**	means the amount set out in paragraph 1 of Section B of this Contract. Unless otherwise specified in the Special Conditions, the Contract Price shall be inclusive of all taxes and fees, including, but not limited to, VAT, commercial tax and duties.
계약상대자	**"Contractor"**	has the meaning given in the preamble and means a natural or legal person who has entered into this Contract on equal footing with the Employer.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

계약상대자 제출문서	**"Contractor Documents"**	means all documents and materials (including in electronic form) submitted by the Contractor to the Employer in connection with and for the purposes of this Contract and includes, without limitation, drawings, sketches, maps, plans, photos, specifications, invoices, reports, computer software, databases, manuals, completion documents, models, 3D works relating to geography/topography/building, technical documents.
계약상대자 인력	**"Contractor Personnel"**	means the executives and employees of the Contractor and/or subcontractors, with whom the Contractor has, for the purposes of undertaking the Project, entered into an agreement, and their employees. Under no circumstances shall any "**Contractor Personnel**" be considered to be an employee or a branch of KOICA.
일(day)	**"Day"**	means a calendar day and in calculating a period, if the end date of such period does not fall on a Business Day, then the end date of such period shall be deemed to fall on the next Business Day.
하자통지기간	**"Defect Notification Period"**	means the period specified in the Detailed Terms and Conditions.
설계도면	**"Design Drawing"**	means a drawing or document indicating the nature and scope of the Construction to be constructed and the Construction Works to be undertaken and expressing the designer's intentions in accordance with established rules.
설계서	**"Design Documents"**	means collectively, the Construction Specification, the Design Drawing, the Site Manual and the Quantity Statement.
상세계약조건	**"Detailed Terms and Conditions"**	means the key terms of this Contract attached as a table to the Special Conditions.
발주자	**"Employer"**	has the meaning given in the preamble.
불가항력	**"Force Majeure Event"**	has the meaning given in Article 17.1 hereof.
계약일반조건	**"General Conditions"**	has the meaning given in paragraph 2.2 of Section 8 of this Contract.

KOREA INTERNATIONAL COOPERATION AGENCY 한국국제협력단 KOICA CAMEROON

	"Governmental Authorities"	means any legislative body, any administrative body, any judicial body of the Recipient Country, Korea or any other jurisdiction and any person who is authorised or has the power to act on behalf of any such authoritative body.
인허가	**"Governmental Authorization"**	means all authorizations, approvals, licenses, consents, permits issued by any Governmental Authority or any report, registration, filing made to any Governmental Authority.
법령	**"Laws"**	means the constitution, laws, regulations, orders, ordinances, rules, notices, guidelines and other requirements of the Recipient Country or Korea that are, at the relevant time, in effect and have the force of law.
당사자	**"Party"**	means individually, each of KOICA or the Employer and the Contractor and collectively, shall be the "**Parties**".
	"Performance Guarantee" or **"Contract Guarantee"**	means either the Bank Guarantee for Performance or the Cash Guarantee (as the case may be).
사업	**"Project"**	has the meaning given in Section A of this Contract.
물량내역서	**"Quantity Statement"**	means a statement containing details of items or items of expenditure (including details of their specifications, quantity, units, etc.) that compose the object of each type of work, which statement is issued to a prospective bidder or a successful bidder after the announcement of a bid or the determination of a successful bidder.
현장	**"Site"** or **"Construction Site"**	means _____ being the location specified in B of this Contr . In the event the boundary or etailed in Section B of this Contract, the Site shall be determined in accordance in the Site Manual.
현장설명서	**"Site Manual"**	means the manual provided by the Employer, which contains information (such as information regarding the Site conditions or instructions regarding unit prices) required to undertake the Construction Works.
계약특수조건	**"Special Conditions"**	has the meaning given in paragraph 6.3 of Section B of this Contract.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

년(year) **"Year"** means 365 days or 366 days from January 1st to December 31st; provided that where a pertinent year has not been specified, it shall be 365 days for the purposes of *pro rata* calculations.

(b) Abbreviations or terms used in this Contract but not defined in the preceding paragraph shall be interpreted in accordance with international construction industry practice. However, if such term or abbreviation is not commonly used in international construction or multiple interpretations of such term or abbreviation are possible so as to cause a dispute between the Parties, such term or abbreviation shall be interpreted in accordance with KOICA's internal regulations or guidelines. If there is a disagreement on the interpretation of a term or abbreviation used in this Contract, the Contractor may request that the Employer provide KOICA's internal regulations or guidelines which form the basis of its interpretation.

Article 1.2 **Interpretation**

(a) Unless the context clearly requires otherwise, the following rules of interpretation shall apply to the terms used in this Contract:

words denoting the singular shall include the plural, and vice versa;

whenever the words "include", "includes" and "including" are used, they shall be deemed to be followed by the words "without limitation";

when calculating a period, unless the period is to be calculated by time, it shall be deemed to be calculated from 0:00 the day following the day on which the relevant event occurred; provided that, when calculating interest (including delayed interest), the day of occurrence shall be included in such calculation but the end date or deadline of the relevant period shall be excluded;

references to "agreement" in this Contract shall mean a written agreement signed by the authorised signatory or lawful agent of each Party;

references to "written" or "in writing" or "documents" shall mean records that are handwritten, typed, printed or are in electronic form;

references to this Contract shall include all of its schedules, annexes and attachments; and

any reference to a statute or regulation shall be construed as including all regulations and rules promulgated thereunder and all provisions consolidating, amending or replacing such statute or regulation.

(b) References to a "**person**" shall be construed so as to include any individual, firm, company and other group or association.

(c) Any reference to standards or industrial standards and technology shall be construed as including any modifications or amendments thereto following the Effective Date unless otherwise specified herein.

Article 1.3 **Notices**

(a) Notices, applications, claims, requests, responses, approvals or instructions ("**Notices**") in the oral form shall not be effective unless supplemented in writing.

(b) Notices shall be delivered to the addresses specified in the Special Conditions and any change in the address details shall be notified to the other Party in writing, which written notice shall include the date of the change in address.

(c) Notices may be delivered in person, by post, through the Employer's eprocurement system, by email or fax (with confirmation of receipt) in accordance with the Special Conditions. Any changes to the recipient's notice details must be notified to the other Party immediately.

(d) Unless otherwise specified in the Special Conditions, Notices shall be effective as of the date on which they are received by each Party; provided that if the date of receipt is not a Business Day, then the Notice shall be effective as of the immediately following Business Day.

(e) Whenever it receives a legitimate request in writing, in accordance with the terms of this Contract, the Contractor shall exercise good faith in reviewing and responding to such request and its response must not be unreasonably delayed.

Article 1.4 **Language**

(a) The language of the Notices delivered in accordance with Article 1.3 and the documents specified in Article 1.5 hereof (collectively, the "**Contract Documents**") shall be, in principle, English; provided that where both the Korean language and the English language are used in parallel, the version in the Korean language shall prevail to the extent of any discrepancies.

(b) When necessary and with the approval of the Employer, another language ("**Other Language**") may be used in parallel with either Korean or English. Where such Other Language is used in parallel with the Korean language, the version in the Korean language shall prevail to the extent of any discrepancies and where

the Other Language is used in parallel with the English language, the version in the English language shall prevail to the extent of any discrepancies.

Article 1.5 **Contract Documents**

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(a) Each of the documents constituting this Contract have mutually complementary effect. The Contract Documents shall be applicable in the following order of priority; provided that if any conflict or inconsistency is found in any of the documents having the same priority or if in practice the matters described in a lower-ranking document clearly have priority notwithstanding the order of priority below, the Construction Supervisor shall provide the Contractor with the necessary instructions.

the Contract Agreement;

the Special Conditions;

the General Conditions;

the Design Documents; and

the Calculation Statement and other documents that form part of this Contract, such as the international construction project bidding notice, bid proposal and other tender documents; provided that the Calculation Statement shall be effective as a Contract Document only when it is applied for the purpose of adjusting the Contract Price and when making payments in respect of completed sections of the Construction.

(b) Notices delivered by the Parties in accordance with this Contract shall be effective as a Contract Document.

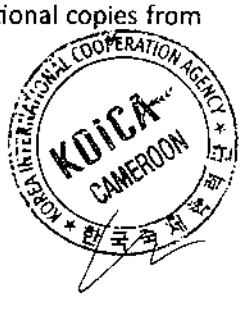
Article 1.6 **Assignment and Provision of Security**

(a) The Contractor shall not assign or provide security over this Contract or any of its rights (including but not limited to the right to claim payment of the Contract Price) or obligations arising under or in connection with this Contract to any third party without obtaining the prior written consent of the Employer.

(b) The Employer and/or KOICA shall be entitled to assign all or a part of their rights and obligations under this Contract or renew or update this Contract with prior written notice to the Contractor.

Article 1.7 **Management and Provision of Documents**

(a) The Design Documents (including the Construction Specification and Design Drawing) shall be maintained and managed by the Employer. Unless otherwise provided for in this Contract, the Employer shall provide the Contractor one (1) copy of the Contract Documents and the Design Documents within [15] days of the Effective Date. The Contractor shall be entitled to make additional copies or request additional copies from the Employer at its own cost and expense.



(b) The Contractor shall maintain and manage all documents that it is required to prepare or submit to the Employer in accordance with this Contract (the "**Contractor's Submitted Documents**") until such time the Employer accepts and

takes over the Construction Works. Unless otherwise provided for in this Contract, the Contractor shall submit to the Construction Supervisor four (4) copies of all Contractor's Submitted Documents.

(c) The Contractor must maintain and store all documents, including without limitation, the Design Drawings and the Contract Documents received from the Employer, the booklets and documents cited in its bidding proposal, the Contractor's Submitted Documents, all Notices made and received pursuant this Contract at the Construction Site. The Construction Supervisor may, from time to time, request to view or receive copies of all documents kept by the Contractor at the Construction Site.

(d) The Employer may, if it deems it necessary, request to receive the documents, materials or information which form the basis for the Contractor's preparation of the Contract Documents (including without limitation the Calculation Statement), upon which request, the Contractor shall submit the same to the Employer within a reasonable period of time.

(e) If the Contractor becomes aware of any errors, omissions, defects or technical issues in the documents (including the Design Documents) required to undertake the Construction Works, it shall notify the Employer through the Construction Supervisor of the same within 30 days of receiving the relevant documents and the Construction Supervisor shall request from the Contractor the necessary explanation or, in accordance with Article 11.2 hereof, take measures to obtain from the Employer an opinion on whether a change to the details of the Construction Works is necessary. The Employer may, having taken into consideration the comments of the Construction Supervisor, request a change in the design in accordance with Article 11.2 hereof.

Article 1.8 **Confidentiality**

(a) All rights, including intellectual property rights, in, to and arising out of all materials, reports and other documents produced by the Contractor pursuant to this Contract shall, unless otherwise specified herein, vest in the Employer and the Contractor shall not provide them to a third party or use them for any other purpose without the prior consent of the Employer.

(b) The Contractor shall not disclose to any third party (including any outsider, government, the Recipient Country, governments of third countries) information, including without limitation, any trade secrets, confidential matters relating to Korea or the Recipient Country that it has obtained by virtue of this Contract (whether prior to or during the implementation of this Contract) without the prior written consent of the Employer. The Employer may, if required by the laws of Korea or if it otherwise deems necessary, disclose information relating to the tender for the Project and this Contract.

(c) The Contractor shall keep written records of all issues (including related countermeasures and improvement measures) that arise during its execution of the Construction Works and furnish such records at the Construction Site or at its place of business, and submit the same to the Employer at its request.

(d) The Contractor undertakes not to infringe any intellectual property rights (including any patent rights, trademark rights and design rights) of any third parties in fulfilling its obligations under this Contract.

(e) If the Contractor breaches paragraph (d) above and a dispute over intellectual property arises, the Contractor hereby agrees to indemnify and hold harmless, at its own cost and expense, the Employer, regardless of the cause of the dispute or claim.

(f) The provisions of this Article 1.8 shall remain valid and effective and survive any expiration, rescission of termination of this Contract.

Article 1.9 **Compliance with Laws**

(a) In undertaking the Construction Works, the Contractor shall comply with all applicable Laws of the Recipient Country and shall be solely liable for obtaining all related Governmental Authorizations at its own cost and expense. To the extent the Contractor has an office in Korea, the Contractor shall also be responsible for complying with all applicable Laws of Korea.

(b) The Contractor shall comply with the Employer's standards and guidelines regarding the execution of the Construction Works and shall procure that all of its personnel (including its subcontractors) comply with the same. The Contractor shall be fully liable for any breach by it or its personnel (including its subcontractors) of the Employer's standards and guidelines.

Article 1.10 **Joint and Several Liability**

(a) If the Contractor is a union, consortium or an unincorporated association composed of two or more corporations or natural persons (each a "**Contractor Group**" and each member of Contractor Group being a "**Joint Contractor**"), each Joint Contractor shall be deemed to be jointly and severally liable to the Employer in respect of the Construction Works and the obligations of the Contractor under this Contract, unless the relevant Joint Contractor has separately agreed in writing with the Employer that it will be severally liable.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) Even if not otherwise provided for in this Contract, the Employer shall have the right to demand of any Joint Contractor or the Joint Contractors collectively that it or they fulfill the obligations of the Contractor under this Contract and to claim against any of them separately or jointly in case of a breach of any such obligations. However, if each Joint Contractor has separately agreed in writing with the Employer that it will be severally liable, such agreement shall prevail over the provisions of the preceding sentence.

(c) Any agreement or contract executed by and among the Joint Contractors shall be submitted to the Employer and such agreement or contract shall be a Contract Document for the purposes of this Contract.

(d) The Contractor shall not change (or allow the change of) the composition of a Contractor Group or the legal status of any Joint Contractor.

Article 1.11 **Representations and Warranties**

The Contractor hereby represents and warrants as follows:

(a) *Capacity.* It is duly organized and validly existing under the laws of its jurisdiction of incorporation and has full corporate power and is suitably qualified to undertake the Construction Works.

(b) *Governmental Authorizations.* It has duly obtained and maintains all Governmental Authorizations necessary to undertake the Construction Works.

(c) *Procedural Obligations.* It hereby covenants to undertake, in good faith, all procedures and processes (including but not limited to qualification screening, electronic procurement and obligations of integrity) required by the Employer in connection with the implementation of this Contract.

(d) *Guarantee.* It hereby guarantees the quality of the Construction Works and undertakes to repair any defects immediately in accordance with this Contract and the demands of the Employer. It further covenants not to raise any objections whatsoever in the event the Employer utilize the security deposit for defects because of the Contractor's failure to comply with the Employer's demands to repair defects.

(e) *Price Adequacy.* It hereby warrants that the Contract Price does not significantly exceed or fall below the normal market price.

KOICA CAMEROON

(f) *Costs and Expenses*. It hereby confirms that the Contract Price is inclusive of all costs and expenses incurred by it outside of the Recipient Country in respect of the Construction Works (the "**Overseas Costs and Expenses**") and further undertakes that it will not, for any reason whatsoever, request that the Employer pays or reimburses it for any Overseas Costs and Expenses incurred. Notwithstanding the immediately preceding sentence, of the costs and expenses incurred by the Contractor in connection with the Construction Works, the Parties hereby agree that costs related safety management as set out in the Calculation Statement shall be settled *ex post* based on the actual amount expended by the Contractor (subject to the Contractor providing proof of expenditure). If the amount to be settled *ex post* is larger than the amount specified in the Calculation Statement, the Employer shall pay the excess amount to the Contractor.

(g) *Sovereign Immunity.* To the extent it is a government entity of the Recipient Country or a state-owned enterprise, it hereby represents and warrants that it waives any sovereign immunity.

Article 1.12 **Covenants**

The Contractor hereby covenants as follows:

(a) *Prohibition of Use of False, Deceptive or Other Unlawful Methods.* In undertaking the Construction Works, the Contractor covenants not to use false, deceptive or other unlawful methods. Unless otherwise specified in the Special Conditions, the Contractor shall submit a letter of undertaking to comply with integrity obligations (the "**Integrity Undertaking**") (in the form attached as Appendix 1 hereto) and hereby agrees to comply with the code of conduct and policies (the "**Code of Conduct**") attached to the Integrity Undertaking. The Contractor shall not engage in any unfair acts, including but not limited to, collusion in the process of bidding, winning a bid, contract execution and implementation and shall not provide any bribes or entertainment treats (including offering special

employment opportunities to relatives) to executives and employees of the Employer or any relevant public officials.

(b) *Subcontracts*. The Contractor shall not subcontract any part of this Contract or engage any third party subcontractor without the prior written consent of the Employer.

(c) *Assignment*. The Contractor shall not assign this Contract or any of its rights and obligations hereunder to any third party without the prior written consent of the Employer.

(d) *Tax and Duties*. Unless otherwise specified in the Special Conditions, the Contractor shall be solely liable for all taxes, duties and other similar imposts that arise in connection with this Contract.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

(e) *Obligation to Report.* In the event of a situation or cause that may materially affect this Contract and the performance thereof, the Contractor shall immediately notify the Employer in writing.

Article 1.13 Severance and Waiver

(a) The provisions of this Contract shall be enforceable independently of each of the others and their validity shall not be affected if any of the others is deemed to be unenforceable, invalid or void.

(b) A waiver of any right provided by this Contract must be in writing. The Employer's omission to exercise or delay in exercising any right provided by this Contract shall not constitute a waiver of that or any other right. Unless otherwise specified in this Contract, the Employer shall be entitled to exercise all rights provided hereunder at any time without any restriction.

Article 2 – The Employer

Article 2.1 Delivery of the Site

(a) The Employer shall grant the Contract access to the Construction Site in accordance with this Contract and shall deliver the Construction Site to the Contractor within the period specified in the Special Conditions ("**Site Delivery**"). Notwithstanding the preceding sentence, where a phased or shared use of the Site is anticipated under this Contract, the Contractor's right to occupy or access the Construction Site may be restricted.

(b) Where the Employer has decided to deliver with the Site Delivery the structures, facilities and access roads within the Construction Site, the method and timing of their delivery shall be set out in the Detailed Terms and Conditions and the Construction Specifications.

(c) The Site Delivery shall be conditional upon the Contractor's provision of the Bank Guarantee for Performance.

(d) If the Employer fails to timely deliver the Site in breach of this Contract and as a result the Contractor is delayed and/or incurs additional costs and expenses, the Contractor shall be entitled to request an extension to the Completion Deadline in accordance with Article 18.1 hereof. However, if the Employer's delay in delivering the Site is for reasons attributable to the Contractor (including without limitation errors or delays in the Contractor's delivery of the Performance Guarantee or a parent guarantee, the Contractor's delay in obtaining Governmental Authorizations required to undertake the Construction Works), the Contractor shall be prohibited from requesting an extension to the Completion Deadline.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Article 2.2 **Governmental Authorizations**

If requested by the Contractor, the Employer shall provide reasonable assistance to the Contractor in order to obtain the following Governmental Authorizations under the relevant Laws of the Recipient Country:

Governmental Authorizations to be obtained by the Contract pursuant to Article 1.9;

Governmental Authorizations (including customs clearance) required to transport or transship all goods and materials required for the Construction Works; and

Governmental Authorizations required to remove the Contractor's equipment from the Construction Site.

Article 3 – The Construction Supervisor

Article 3.1 **Construction Supervisor**

(a) In order to ensure the proper implementation of the Project, the Employer shall be entitled to appoint the Construction Supervisor to undertake the following tasks for and on behalf of the Employer:

to generally oversee and supervise the Construction Works;

to instruct, provide approvals, and liaise with the Contractor in connection with this Contract and the Contractor's compliance herewith; provided that all instructions and approvals shall be in writing unless the matter is of an urgent nature;

to inspect or examine (or to oversee the inspection/examination process) the materials to be used for the Construction Works and the Project generally;

to inspect the parts of the Project that are completed, to undertake an inspection of the completed Construction Works (the "**Completion Inspection**") and to oversee the delivery of the Construction;

to undertake all duties and obligations set out in this Contract and the Laws of the Recipient Country applicable to the Construction Works; and

to undertake all other duties delegated to the Construction Supervisor by the Employer.

(b) The Employer shall promptly notify the Contractor if it appoints the Construction Supervisor in accordance with Article 3.1(a) above.

THE KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(c) Unless otherwise expressly provided for in this Contract, the Construction Supervisor shall be deemed to have acted on behalf of the Employer to the extent it has exercised its rights or fulfilled its obligation under this Contract. The Construction Supervisor shall not amend or modify this Contract without the prior written consent of the Employer.

(d) The Construction Supervisor shall neither exempt the Contractor from any of its duties or obligations under this Contract nor increase or decrease any duty or obligation of the Contractor under this Contract without the approval of the Employer. None of the approvals, opinions, confirmations, verifications, agreements, investigations, examinations, instructions, notices, proposals, requests, tests and other similar actions (including disapprovals or failure to submit opinions) undertaken (or not undertaken) by the Construction Supervisor on behalf of the Employer shall be construed as a waiver, exemption or release of the Contractor's duties, obligations (including responsibility for errors, omissions, inconsistences, defects and non-compliance), or guarantees under this Contract.

(e) The Construction Supervisor's failure to expressly approve or disapprove the Construction Works, equipment or materials, or the Construction Supervisor's delay in approving or disapproving the Construction Works, equipment or materials shall not be construed to be an approval thereof and such failure or delay on the Construction Supervisor's part shall not, in any way, affect the right of the Employer to reject the Construction Works, equipment or materials.

(f) If the Contractor (acting reasonably) determines that the Construction Supervisor's instructions or decisions violate the terms of this Contract or hinder the performance of this Contract, it may, after detailing the specific circumstances and issues to the Employer, request that the Employer take necessary measures.

(g) The Contractor must submit to the Construction Supervisor copies of all documents that are submitted to the Employer.

Article 3.2 Construction Supervisor's Assistant

(a) The Construction Supervisor may authorize a specific person(s) to undertake specific tasks and may, at any time, withdraw or revoke such authorisation.

(b) The specific person(s) authorised by the Construction Supervisor pursuant to paragraph (a) above (the "**Construction Supervisor's Assistant**") may instruct the Contractor as necessary within the scope of that authority. All approvals, confirmations, verifications, agreements, investigations, examinations, instructions, notices, proposals, tests and other similar actions undertaken by the Construction Supervisor's Assistant shall have the same effect as if the Construction Supervisor itself undertook such actions; provided that the Construction Supervisor's Assistant shall have acted within the authority granted to it when undertaking such actions.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Article 4 – The Contractor

Article 4.1 General Obligations of the Contractor

(a) The Contractor shall be responsible for completing the Construction Works and for repairing any defects to the same in accordance with this Contract and the instructions of the Employer.

(b) The Contractor shall provide all personnel, goods, consumables and services required for the Construction Works and for repairing any defects in the same in a timely manner.

(c) The Contractor shall complete the Construction Works in accordance with the Design Documents and in a safe and proper manner. The Contractor's obligation to complete the Construction Works in a proper manner shall include undertaking work that any skilled developer would have undertaken to complete the Construction Works (even if such work is not specified in this Contract).

(d) The Contractor shall be responsible for selecting the appropriate construction method and for safely managing the Construction Site. The Contractor hereby warrants that the Contractor Documents, all temporary constructions and provisional works, and all design of all equipment and materials required to complete the Construction Works are compliant with terms of this Contract and further confirms and agrees that it will be liable for all inconsistencies and non-compliance thereof.

(e) If the Contractor wishes to propose a new method or construction method regarding the Construction Works or any part thereof, the Contractor must submit to the Construction Supervisor details of such proposed new method(s) prior to commencing work on the relevant Construction Works. If the Contractor wishes to make a material change to the method or construction method specified and agreed under this Contract, the Contractor must provide the Employer with prior written notice of such proposed changes, unless the changes are required on an urgent basis or if the Contractor reasonably determines there to be a risk of damage to the Construction Works or of bodily injury, in which case, the Contractor may, on an exceptional basis, take appropriate countermeasures and thereafter (but within 48 hours) provide written notice of the change in the construction method.

(f) Nothing in this Contract shall be construed as authorizing the Contractor to undertake the Construction Works or to take measures that may result in any change to the Contract Price and/or to this Contract. All such actions shall be subject to the prior written approval of the Construction Supervisor.

(g) Unless otherwise specified in this Contract:



for each individual process, the Contractor shall submit to the Construction Supervisor the Contractor Documents in accordance with the procedures specified in paragraphs (h) and (i) below and the Construction Specification; and

such Contractor Documents shall be prepared either in English or in Korean in accordance with the Construction Specification and the Design Drawing. Additionally, additional information requested by the Construction Supervisor shall be included so that the design can be adjusted or reflected in the Design Drawing.

Prior to commencing the Completion Inspection, the Contractor shall submit to the Construction Supervisor the Contractor Documents, completion documents, the Construction Specification and/or the management and maintenance

manual prepared in accordance with the Construction Supervisor's instructions. Such documents shall contain sufficient information necessary for the Employer to manage, maintain, deconstruct, reassemble, adjust and repair the relevant area or parts of the Construction Works.

(h) When submitting the Contractor Documents in accordance with paragraph (g) above:

the Contractor shall provide the Construction Supervisor with [four (4)] copies of each document within the period set out in this Contract or as agreed in writing by the Parties; and

where the Construction Supervisor notifies the Contractor that it cannot approve the Contractor Documents or the amended Contractor Documents or that the submitted Contractor Documents do not comply with the terms of this Contract, the Contractor shall amend such Contractor Documents as promptly as possible so that they comply with the terms of this Contract and submit them for the Employer's review.

(i) If the Contractor wishes to propose any amendments, it must specify the proposed amendments and the reasons for the same in detail and must submit the same together with any other information (and their supporting documents) reasonably requested by the Construction Supervisor. To the extent the Contractor's proposal is to amend Contractor Documents that have already been submitted, the Contractor shall resubmit such documents reflecting the proposed amendment(s) in accordance with the procedures set out in paragraph (h) above.

(j) The Employer's or the Construction Supervisor's review of, approval of or expression of opinion on the Contractor Documents under this Contract is solely to oversee the Contractor's fulfilment of its obligations; thus any approval, expression of opinion, review or other similar action (including disapproval, absence of opinion or review) by the Employer or the Construction Supervisor or its agent shall not absolve the Contractor from any warranties, obligations or liability for any errors, omissions, inconsistencies, defects or nonconformity in the Contractor Documents. The absence of an explicit refusal to accept the Contractor Documents shall not be construed to be an approval and shall not, in any way, affect the right of the Employer to reject the Contractor Documents submitted in accordance with this Contract.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

(k) The Contractor shall permit the Employer or any person designated by the Employer to visit the Construction Site or to inspect the accounting books of the Contractor and other documents or records related to the Contractor's fulfilment of the Contract.

(l) Even if the Contractor becomes subject to criminal punishment, civil liability or administrative sanctions for violating this Contract or applicable Laws, the Contractor shall not be released from its responsibilities and obligations hereunder, and if the Contractor violates the Laws of the Recipient Country regarding the Construction Works, is sanctioned by the judicial authorities, and is thereby delayed in completing the Construction Works, the Contractor shall indemnify the Employer for damages suffered and such compensation shall be separate from the sanctions imposed by the judicial authorities of the Recipient Country.

(m) The Contractor shall not engage in any action that may interfere with the Construction Works or cause damage to the Employer, and shall indemnify the Employer for any damage suffered by the Employer as a result of causes attributable to the Contractor.

Article 4.2 **Performance Guarantee**

(a) Unless otherwise specified in the Detailed Terms and Conditions, the Contractor shall, by the [Effective Date] pay the Employer a cash amount equivalent to [15%] of the Contract Price to guarantee the performance of its obligations hereunder (the "**Cash Guarantee**") or deliver to the Employer a Bank Guarantee for Performance in lieu of the Cash Guarantee. If the Employer agrees to exempt the Contractor from providing the whole or a portion of the Cash Guarantee, the Contractor shall deliver to the Employer a letter of undertaking pursuant to which it undertakes and covenants to pay the Cash Guarantee amount in cash upon the occurrence of certain events, including a breach by it of this Contract (the "**Letter of Undertaking**").

(b) If the Contract Period is extended or the Contract Price is increased due to changes in design of the Construction (the "**Design**"), each in accordance with this Contract, the Contractor shall provide the Employer with an updated Bank Guarantee for Performance reflecting the increased Contract Price or shall pay an additional Cash Guarantee. Unless otherwise specified in the Detailed Terms and Conditions, the updated Bank Guarantee for Performance or payment of the additional Cash Guarantee (as the case may be) must be submitted or paid within fourteen (14) days of the date on which the Contract Period is extended or the date on which the increase in the Contract Price is approved (as the case may be).

(c) The Cash Guarantee shall guarantee the performance of this Contract from the Effective Date until a specific date falling after the end of the Contract Period; provided that, if the Contractor has, in lieu of the Cash Guarantee, delivered the Bank Guarantee for Performance or the Letter of Undertaking, each such document shall specify that the guarantee period shall expire sixty (60) days after the end of the Contract Period, unless otherwise agreed by the Parties.

KOICA CAMEROON

(d) If the Contractor submits the Bank Guarantee for Performance in lieu of the Cash Guarantee, the Contactor shall be liable for all fees, taxes and expenses incurred in connection with the issuance, preparation, extension, replacement and execution of such Bank Guarantee for Performance; provided that if the extension to the Contract Period which results in an extension to the initial guarantee period is for reasons not attributable to the Contractor, the costs incurred thereby shall be compensated by the Employer, such compensation not to exceed any actual costs incurred, subject to the Contractor submitting objective evidence (such as receipts) of the costs incurred.

(e) If deemed necessary, the Employer may request that the Contractor provide a guarantee issued by its parent company (a "**Parent Company Guarantee**") to guarantee the Contractor's performance of this Contract. The Parent Company Guarantee shall be in a form and substance approved by the Employer.

(f) If the Contractor fails to fulfill its obligations hereunder, the Performance Guarantee shall vest in the Employer and the Employer shall have the right to terminate this Contract. If in respect of a long-term construction works contract, the Contractor fails to enter into a second or subsequent contract, the Employer may construe such failure as the Contractor's refusal to comply with its contractual obligations and accordingly, the Performance Guarantee shall vest in the Employer.

(g) Where the Contractor has submitted the Letter of Undertaking, the Employer may demand immediate payment of an amount equivalent to the Performance Guarantee upon the occurrence of an event which results in the vesting of the Performance Guarantee in the Employer. The Contractor shall pay the relevant amount under the Performance Guarantee (in cash) within the period prescribed by the Employer.

(h) None of the monies paid or received under the Performance Guarantee that vests in the Employer pursuant to paragraphs (f) or (g) above shall be used by the Employer to offset against any outstanding amounts payable in respect of a part(s) of the Construction Works that are already completed. For the avoidance of doubt, notwithstanding the preceding sentence, where the Contractor has been exempted from paying the Cash Guarantee under the proviso in paragraph (a) above and fails to pay the Cash Guarantee amount in breach of the Letter of Undertaking, the Employer may offset the Cash Guarantee amount (or a part thereof) against the amount equivalent to the outstanding amount payable in respect of a part(s) of the Construction Works that are already complete.

(i) Upon expiry of the Contract Period or upon the Contractor's fulfilment of all of its obligations under this Contract, the Employer shall return the Performance Guarantee to the Contractor upon the Contractor's request.

Article 4.3 **Construction Site Manager**

(a) The Contractor shall appoint a person to represent it on the Construction Site (the "**Site Manager**"). When notifying of the commencement of the Construction Works under Article 4.17, the Contractor shall submit its letter appointing the Site Manager.

KOICA CAMEROON

(b) If the name of the Site Manager is not stated in the Detailed Terms and Conditions, the Contractor shall provide the Construction Supervisor with the name and details of the person it wishes to appoint as the Site Manager [fifteen (15)] days prior to the scheduled Commencement Date and obtain the approval of the Employer or the Construction Supervisor before the Commencement Date.

(c) If the Construction Supervisor withholds or revokes its approval of the Site Manager candidate submitted by the Contractor, the Contractor shall nominate another candidate and provide the Construction Supervisor with such candidate's name and details. The Contractor shall not revoke the appointment of the Site Manager or replace the Site Manager without the prior written approval of the Construction Supervisor.

(d) If the Site Manager is absent from the Site during the Construction Works, the Contractor shall, subject to obtaining the prior written approval of the Construction Supervisor, appoint another appropriate person and notify the Construction Supervisor of such appointment.

(e) The Site Manager shall receive instructions from the Construction Supervisor in accordance with Article 3.1 hereof for and on behalf of the Contractor.

(f) The Site Manager may delegate its authority or functions to a person possessing the requisite capabilities and functions. Any such delegation shall be effective from (and be subject to) the Construction Supervisor's receipt of a written notice from the Site Manager specifying the name of the delegatee and the power and functions being delegated.

(g) The Site Manager and any delegatee of the Site Manager (appointed pursuant to paragraph (f) above) must be fluent in the languages set out in Article 1.4 hereof. If the Site Manager is not fluent in the languages specified in Article 1.4 hereof, the Contractor shall employ an interpreter at its own cost and expense and take all such measures necessary to ensure that there are no difficulties in communicating with the Construction Supervisor.

Article 4.4 Subcontracting

(a) The Contractor may, subject to obtaining the prior written consent of the Construction Supervisor, subcontract a part of the Construction Works but the Contractor shall not subcontract the whole of the Construction Works.

(b) When seeking the prior written approval of the Construction Supervisor under paragraph (a) above, the Contractor shall provide the Construction Supervisor with details of the subcontractor, including, without limitation, the following:

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

the relevant performance history of the subcontractor;

the terms and conditions of the subcontract as proposed by the subcontractor or the principal terms and conditions of the subcontract; and

financial information necessary to determine whether the subcontractor has the requisite capacity or such other information requested by the Construction Supervisor.

(c) The Employer's consent to subcontract shall not release the Contractor from any warranties, guarantees, covenants, undertakings, obligations or liability hereunder, and the Contractor shall be liable for any and all acts, omissions or non-performance of the subcontractor, its agent(s) and/or its executives and employees.

(d) In relation to any subcontract, the Contractor shall notify the Construction Supervisor of the following:

the scheduled commencement date of each subcontracted service (which notice shall be provided [twenty-eight (28)] days prior to such scheduled commencement date) and/or matters otherwise agreed in writing by the relevant parties; and

the actual commencement at the Site of each subcontracted service.

(e) If the Employer becomes aware that the subcontractor may suspend rendering its services under the subcontract or cancel or terminate the subcontract due to the Contractor's failure to comply with its payment obligations under the subcontract, the Employer may, in its sole discretion, pay the subcontractor directly and notify the Contractor of the same. In such case, the Employer shall be entitled, with prior notice to the Contractor, to deduct the amount directly paid to the subcontractor from the amount payable by it to the Contractor.

(f) The Contractor shall indemnify and hold harmless the Employer from any loss, damage or costs incurred by the Employer as a result of the Contractor's failure to pay the subcontract price.

(g) If the Employer makes any payment directly to the employee(s) or the subcontractor(s) of the Contractor in order to comply with applicable Laws, governmental order or arbitral award, the Contractor shall reimburse the Employer for such payment made.

(h) The Employer may deduct or offset any amount payable by the Contractor from any amount payable by the Employer to the Contractor.

Article 4.5 Cooperation in respect of Relevant Construction Works

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

If there are other construction works close to or related to the Construction Works hereunder (the "**Relevant Construction Works**"), the Contractor shall take all necessary measures to ensure that the Relevant Construction Works are not hindered or disrupted.

Article 4.6 **Standards and Criteria**

The Contractor shall, in compliance with this Contract and the instructions of the Construction Supervisor, establish standards or criteria to be applied to the Construction Works. The need to apply the standards or criteria consistently shall not excuse any breach by the Contractor of this Contract or the instructions of the Construction Supervisor or the Contractor's omission to take action under this Contract or in accordance with the instructions of the Construction Supervisor unless the Contractor has obtained the prior written approval of the Employer.

Article 4.7 **Safety Obligations**

(a) In undertaking the Construction Works and any repair works, the Contractor shall comply with all safety and health-related Laws of the Recipient Country and shall strictly abide by the Employer's safety and health-related policies and standards (including, but not limited to, the safety management manual attached to the Special Conditions) (collectively referred to as the "**Standards**" in this Article 4.7). The Contractor shall submit to the Construction Supervisor documents evidencing that it has complied with the safety and health-related Laws and Standards.

(b) The Contractor shall prepare and submit to the Employer the safety, environment and quality management plan specified in Article 4.17(a)(iv) hereof, conduct safety inspections to prevent industrial accidents, and take all necessary measures, including without limitation installing safety facilities and purchasing insurance. The costs for undertaking all necessary measures for safety management (the "**Safety Management Costs**") must be more than 0.5% of the Contract Price (which, for the purposes of the calculations hereunder shall be the Contract Price excluding any reserve funds (to the extent the Contract Price is inclusive of any reserve funds)) and the Contractor shall prepare and submit to the Employer the Calculation Statement reflecting the Safety Management Costs as a separate line item. The safety, environment and quality management plan specified in Article 4.17(a)(iv) hereof must include details of how the Safety Management Costs will be utilised.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

(c) The Contractor must utilize the Safety Management Costs in compliance with the safety, environment and quality management plan submitted at the time the Notice of Commencement is made and in compliance with the applicable safety and healthrelated Laws of the Recipient Country. When requesting (pursuant to Article 12.3 hereof) payment in respect of the portions of the Construction Works that are complete, the Contractor shall also submit to the Employer documents evidencing the amount of Safety Management Costs actually expended and request the *ex post* settlement of such costs. When requesting the *ex post* settlement of the Safety Management Costs actually expended, the Contractor shall also attach to its request a confirmation letter from the Construction Supervisor. In settling *ex post* the Safety Management Costs actually expended, the Employer shall have the right to deduct from the Contract Price such amounts that have been used for a different purpose, that have not been used or for which evidence is insufficient.

(d) Even if the Safety Management Costs actually expended are in excess of the amounts stated in the Calculation Statement, if the Employer considers such expenditure to have been appropriate based on the evidence and the Construction Supervisor's confirmation letter submitted pursuant to paragraph (c) above, the Employer, within reason, may approve and settle such additional amounts. In such case, the Contractor shall submit to the Employer an updated safety management plan for the Employer's approval.

(e) The Contractor must directly undertake all works that relate to the settlement of payment of the Safety Management Costs and is hereby restricted from delegating any such duties or obligations to a third person.

Article 4.8 Quality Assurance

(a) The Contractor must prepare and submit to the Employer a quality management plan that is compliant with this Contract and the Construction Specification. The Contractor must further submit all such documents evidencing its compliance with such quality management plan and the procedures specified therein, as requested by the Construction Supervisor. The Construction Supervisor shall have the right to inspect and verify the implementation status of the quality management plan.

(b) The Contractor's compliance with the quality management plan shall not release or exempt the Contractor from any warranties, guarantees, covenants, undertakings, obligations or liability hereunder.

Article 4.9 Sufficiency of Contract Price

KOICA CAMEROON

(a) Unless otherwise specified in this Contract, the Contract Price (including any reserve funds, if any) shall be considered to be sufficient to cover all expenses necessary for the Contractor to perform all of its obligations under this Contract, including, without limitation, the Construction Works, tests, commissioning, completion of construction and repairing of defects. The Contractor hereby represents and warrants the sufficiency of the Contract Price for these purposes.

(b) Unless otherwise specified in this Contract, the Contractor shall be responsible for all costs (including but not limited to taxes) incurred in undertaking the Construction Works, and shall be liable for all risks associated with the Construction Works and the completion thereof.

Article 4.10 Notification of Site Status

(a) If during the Construction Works the Contractor finds that the Construction Site, including but not limited to the geology, water, underground utilities are different from the details specified in the Design Documents, the Contractor shall, through the Construction Supervisor, notify the Employer of the same without delay.

(b) Upon receipt of the notice under paragraph (a) above, the Employer shall promptly cause the Construction Supervisor to inspect the Site and to submit an opinion on whether a change (in accordance with Article 11.2 hereof) to the Construction Works is required. The Employer may instruct the Contractor to modify the construction design in accordance with Article 11.2 hereof, taking into consideration the opinions and

comments of the Construction Supervisor.

Article 4.11 Site Access and Removal of Obstructions

(a) Unless otherwise specified in this Contract, the Employer shall provide the Contractor with effective access and a right to occupy the Site. If passages or facilities outside the Construction Site is required to carry out the Construction Works, the Contractor shall obtain the same (or the rights to the same) at its own cost and risk.

(b) The Contractor shall not unnecessarily or improperly obstruct public traffic on the roads or the Site, or infringe the rights of owners or occupants of adjacent facilities or lands. The Contractor hereby indemnifies and holds harmless the Employer from all damages, losses and expenses (including legal advisory fees and expenses) arising out of its violation of the obligations hereof.

(c) The Contractor hereby acknowledges and approves the appropriateness and availability of the access road(s) to the Site. The Contractor shall take all necessary measures (including operating vehicles that comply with weight, width and height restrictions set by the Laws and installing appropriate signs) to prevent damage to roads or bridges within the Site.

(d) Except as otherwise specified in this Contract:

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

the Contractor shall be responsible for maintaining and repairing any damage to the access road(s);

the Contractor shall install signs, including direction signs on the access road(s) and obtain all necessary Governmental Authorizations in respect thereto;

the Employer shall not guarantee the appropriateness or availability of a specific access road, and shall not be liable for any claims thereon; and

any costs incurred as a result of an access road being unsuitable or unavailable for use by the Contractor shall be borne by the Contractor.

Article 4.12 Transportation of Goods

Except as otherwise specified in this Contract:

(a) The Contractor shall notify the Employer of the anticipated delivery to the Site of all equipment or major goods required for the Construction Works twenty-one (21) days prior to the scheduled delivery date thereof.

(b) The Contractor shall be responsible for the packaging, shipping, transportation, loading and unloading, storage and protection of all goods required to undertake and complete the Construction Works.

(c) The Contractor hereby indemnifies and hold harmless the Employer from and against all damages, losses and expenses (including legal advisory fees and expenses) incurred in relation to the transportation of all goods and further undertakes to negotiate with and to indemnify any third parties for all claims arising in respect of transportation of the goods.

Article 4.13 Bringing Equipment On-Site

The Contractor shall be responsible for all equipment related to the Construction Works. Equipment brought onto the Site shall be used only for the Construction Works. The Contractor shall obtain the consent of the Employer or the Construction Supervisor prior to removing any major equipment from the Site.

Article 4.14 Protection of the Environment

(a) The Contractor shall take all reasonable procedures to protect the Site and its surrounding environment, and to reduce and prevent pollution, noise, dust, and all such other damage that may occur to people and property in connection with the Construction Works.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) The Contractors shall comply with all Laws, policies, standards (including the Standards), procedures of the government of the Recipient Country as well as the requirements of the Employer.

(c) The Contractor shall ensure that air pollutants, wastewater, wastes and other pollutants generated in the course of implementing this Contract shall not exceed the tolerance limit set by the Construction Specification or the applicable Laws of the Recipient Country.

(d) Wastes generated at the Construction Site shall be the responsibility of the Contractor and the Contractor shall deal with the same at its own cost and expense in compliance with all relevant Laws of the Recipient Country.

Article 4.15 Electricity, Water, Gas, Steam

(a) The Contractor shall be responsible for procuring all of the electricity, water, gas, steam and other services required to undertake the Construction Works.

(b) Prior to utilizing the electricity, water, gas, steam and other utilities and services on the Site for the Construction Works, the Contractor shall obtain the written approval of the Construction Supervisor. The Contractor shall be liable for any and all costs arising in connection with the utilization and measurement (including any measuring equipment used) of such utilities and services.

(c) The Contractor shall consult with the Construction Supervisor regarding the use, usage and usage costs of the electricity, water, gas, steam and other utilities and services described herein.

Article 4.16 Equipment and Materials Furnished by the Employer

(a) The Employer shall, at its own cost and expense, supply the Contractor with materials described in the statement. The Contractor who has been furnished with such materials shall inspect the materials and immediately notify the Construction Supervisor of any quantity shortage, defects or damage to the materials. Unless otherwise agreed by the Parties, the Employer shall remedy any quantity shortage, defect or damage notified by the Contractor.

(b) After the process of inspection and remedy as described in paragraph (a) above is

complete, the Contractor shall be responsible for protecting and storing the materials furnished by the Employer.

Article 4.17 Commencement and Progress Reports

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(a) The Contractor shall commence the Construction Works in accordance with this Contract, and upon commencement, the Contractor shall submit to the Employer the Notice of Commencement, which statement shall include the following documents:

a report on the designation of a construction engineer in accordance with the construction-related Laws of the Recipient Country (or, if no such Laws exist in the Recipient Country, a report on the designation of a construction engineer in accordance with the construction-related Laws of Korea or a report on the designation of a construction engineer in the form and substance satisfactory to the Employer);

construction schedule (this must, in principle, be the construction schedule that has been approved by the Employer unless there is a justifiable reason (such as there being not enough time to obtain prior approval), in which case the construction schedule hereunder may be the latest version submitted to the Employer);

appointment letter in respect of the Site Manager;

safety, environment and quality management plan;

personnel and equipment commitment plan for each stage of the Construction Works;

photo of the Site taken before commencement of the Construction Works;

the Calculation Statement (unless the Calculation Statement is submitted at the time of executing this Contract or before commencement of the Construction Works, in which case, the obligation hereby to submit the Calculation Statement shall only apply if there have been any changes since submission); and

matters stipulated in the Detailed Terms and Conditions, such as subcontract matters requiring approval and such other documents or information designated or requested by the Employer.

(b) If, during its fulfilment of its obligations under this Contract, changes are required to the documents set out in paragraph (a) above due to changes in the Design or to the provisions of this Contract, the Contractor shall, without delay, submit such modified documents to the Employer for approval.

(c) If the Employer determines that changes or adjustments are necessary to the documents submitted in accordance with paragraph (a) above, it may request that the Contractor re-submit such documents after making the necessary changes or adjustments.

(d) The Employer may require the Contractor to submit by the 14th day of each month the following documents regarding the progress of the Construction Works in respect of the previous month, and in such case, the Contractor shall comply with such request:

monthly progress rate and the monetary value of the Construction Works carried out in the relevant month;

manpower and equipment committed to the Construction Works and status of materials in the relevant month;

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(iii) changes to this Contract and adjustments to the Contract Price; (iv) photos of the Site showing progress of the Construction Works; and (v) such other matters as may be specified by the Employer.

(e) In addition to and separate from the monthly reports described in paragraph (d) above, the Employer may request regular reports on other matters relating to the Construction Works, including details of countermeasures to be adopted in respect of delays in the Construction Works.

Article 4.18 Site Management

(a) Unless otherwise specified in this Contract, the Contractor may restrict access to the Site of persons other than the Contractor Personnel, the executives and employees of the Employer and the Construction Supervisor (collectively, the "**Employer Personnel**") and any persons (including persons who have entered into a contract with the Employer) of whom the Employer notifies the Contractor. With respect to the safety of the Site, the Contractor shall be responsible for the management of the Contractor's equipment, the Employer's equipment, facilities, materials and all other properties and personnel on the Site.

(b) The Contractor shall ensure that no unnecessary obstacles are left unattended at the Site whilst the Construction Works are being undertaken and the Contractor shall be responsible for the proper storage and removal of its equipment or surplus materials. The Contractor must remove waste, hazardous substances and temporary construction facilities that are no longer needed from the Site.

(c) Upon the issuance of a taking over certificate, unless otherwise specified in this Contract, the Contractor shall remove from the Site all of its equipment, materials, waste, hazardous substances and temporary construction facilities. The Contractor shall maintain the Site and Construction in a clean and safe condition. Without prejudice to the generality of the foregoing, the Contractor may, subject to obtaining the Employer's consent, keep at the Site such goods required to fulfil its defect repair obligations during the Defect Notification Period.

Article 4.19 Obstructions

(a) Where fossils, coins, treasures or antiques, artifacts (including structures) and items with geological or archaeological value are found on the Site, the Employer shall determine how to deal with them unless otherwise specified by applicable Laws. The Contractor shall take reasonable precautions to ensure that its employees or other persons do not remove or damage such finds.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) Upon discovering any of the finds described in paragraph (a) above, the Contractor shall immediately notify the Construction Supervisor of the same and the Employer shall deliver instructions regarding such finds. If it is expected that completion of the Construction will be delayed or that additional costs will be incurred as a result of such finds, the Contractor shall notify the Construction Supervisor of such fact without delay.

Article 4.20 Management of Civil Complaints

(a) In implementing the terms of this Contract, the Contractor shall use its best efforts to ensure that residents residing near the Construction Site are not inconvenienced by the Construction Works and to not engage in disputes with such residents.

(b) The Contractor shall promptly resolve any complaints regarding the Construction Works that are raised by residents residing near the Construction Site or any disputes arising therefrom at its own cost and risk. Under no circumstances will the Contractor be entitled to request an extension of the Completion Deadline or an increase in the Contract Price because of complaints raised by residents residing near the Construction Site or such other objections related to the Project or the Construction Works which occur in the Recipient Country.

Article 4.21 Obligations of Integrity

(a) Based on mutual trust with the Employer, the Contractor hereby undertakes to comply with the Code of Conduct that are included in this Contract, and further undertakes not to engage in any unfair acts, including without limitation, collusion during the bidding, selection, contracting process and whilst carrying out its contractual obligations hereunder, and to not provide any unfair benefits, including without limitation money and goods, entertainment (including employment opportunities to relatives) to the Employer's executives, employees and to public officials.

(b) Unless otherwise specified in this Contract, the Contractor shall submit to the Employer the Integrity Undertaking (in the form set out in Appendix 1 hereto) with the Cde of Conduct attached thereto.

Article 5 – Management of Manpower

Article 5.1 Construction Site Workers

(a) The Contractor shall hire workers with the skills and experience needed for the construction or management of the Construction Works, and shall be liable for all acts taken (or not taken) by such workers.

KOICA CAMEROON

(b) If the Employer determines that a worker hired by the Contractor is not suitable for the construction or management of the Construction Works and requests the replacement of such worker, the Contractor shall immediately replace such worker. The Contractor shall not re-hire the replaced worker for the construction or management of the Contract without the separate approval of the Employer.

(c) The Contractor shall manage its personnel in compliance with the labor-related Laws of the Recipient Country. All costs arising in connection with such management shall be borne solely by the Contractor.

Article 5.2 Remuneration and Working Conditions of Workers

Within 72 hours of the Construction Supervisor's request, the Contractor shall provide documents evidencing that all wages payable to its employees and workers have been paid. If the Employer becomes aware that the Contractor has failed to pay its employees and workers their wages, the Employer may, in its sole discretion, pay such wages

directly to the Contractor's employees and workers, with notice to the Contractor. Any amount of wages that are paid directly by the Employer in this way may be deducted from the Contract Price payable by the Employer to the Contractor.

Article 5.3 Employer Personnel

The Contractor shall not solicit, attempt to solicit or cause to be solicited any of the Employer Personnel for its own benefit.

Article 5.4 Compliance with Labor Laws

(a) The Contractor shall comply with any and all Laws relating to employment (including wages and working hours), health, safety, benefits and immigration applicable to the Contractor Personnel.

(b) The Contractor shall ensure that all Contractor Personnel shall complies with any and all applicable Laws, including Laws relating to health and safety at construction sites.

Article 5.5 Occupational Safety and Health

(a) The Contractor shall take all reasonable measures necessary to maintain the health and safety of the Contractor Personnel. The Employer may provide the Contractor with reasonable support necessary for the Contractor to comply with its obligations of occupational safety and health.

KOICA CAMEROON

(b) The Contractor shall appoint and deploy at the Site an occupational safety and health manager who shall be responsible for ensuring safety and preventing accidents on the Site. The occupational safety and health manager shall be suitably qualified with relevant experience and competency required for the job and shall have the authority to give instructions regarding the safety and health of all personnel (whether workers or visitors) at the Site and to take all such measures necessary to prevent accidents on the Site. During the Contract Period, the Contractor shall provide the occupational safety and health manager all the support necessary or required in order for such manager to properly exercise his/her authority.

(c) In the event of an accident related to occupational safety and health, the Company shall promptly notify the Construction Supervisor of the details of such accident. The Contractor shall prepare and maintain records of its employees' health, safety, benefits and property damage, as reasonably requested by the Construction Supervisor. When the Contractor applies for payment in respect of the portions of the Construction Works that are complete pursuant to Article 12.3 hereof, the Contractor shall also prepare a separate expense record of the occupational safety and health-related expenses incurred during the relevant period or work and submit the same to the Employer together with all supporting documents.

Article 5.6 Contractor Personnel

(a) All Contractor Personnel shall be suitably qualified, proficient and experienced in the field in which they work. The Construction Supervisor shall be entitled to request the replacement of any Contractor Personnel, including the representative of the Contractor, if any of the following is found to be applicable:

(b)

where misconduct or negligence persists;

where the relevant personnel is incompetent or negligent in performing his/her duties;

where the relevant personnel fails to comply with the provisions of this Contract; or

where the relevant personnel continues to engage in acts that are detrimental to safety, health or the protection of the environment

(c) The Contractor shall not delay in taking measures to replace the relevant personnel with someone more suitable.

Article 5.7 Management of Contractor Personnel

(a) The Contractor shall take all reasonable measures to prevent the illegal acts, riots or disorderly conduct of the Contractor Personnel, and to preserve and protect the tranquility, lives and property on the Site and around the Site.

KOICA CAMEROON

(b) The Contractor shall comply with and implement regulations, orders and requirements of the Government Authorities of the Recipient Country regarding the prevention and quarantine of infectious diseases.

(c) The Contractor shall take all measures necessary, including strengthening internal and external gender equality training for the Contractor Personnel (including its subcontractors and partners), to prevent sexual harassment and sexual violence and shall ensure that sexual harassment and sexual violence (whether in verbal or nonverbal form) does not occur during the implementation of and in relation to the performance of the Construction Works.

Article 6 – Equipment, Materials and Technology

Article 6.1 Construction Method

The Contractor shall undertake the Construction Works in good faith (i) in accordance with the construction methods set out in this Contract, (ii) as a constructor qualified and experienced in accordance with international construction industry practice, and (iii) using appropriate equipment, new materials and facilities.

Article 6.2 Inspection of Materials

(a) Materials to be used for the Construction Works must all be new and must meet the quality assurance standards of the Recipient Country. The quality, specifications, product name of each material must conform to the Design Documents. If such details are not clearly specified in the Design Documents, the materials used must be new and of standard quality or higher as acceptable to the Employer and must be the most suitable material for achieving the purpose of this Contract.

(b) Before using any material, the Contractor shall submit samples, introductory

documents, etc. for inspection by the Employer or the Construction Supervisor, and any materials that are rejected shall be immediately replaced and be subject to re-inspection.

(c) Materials rejected at the end of the inspection process described in paragraph (b) above must not be used for the Construction Works. If the Contractor objects to the inspection results under paragraph (b) above, it may request that the Employer re-inspects the relevant material.

(d) If the Contractor requests an inspection or re-inspection (under paragraph (c) above) of the materials to be used for the Construction Works, the Employer must not delay without justifiable reasons.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(e) The Contractor must immediately remove from the Site and replace any rejected materials. If the Contractor fails to remove and replace such rejected material, the Employer may itself remove or replace the rejected materials and any costs incurred as a result shall be borne by the Contractor.

(f) The Contractor shall be liable for all costs arising in connection with inspection of the materials and shall not be entitled to request an extension to the Completion Deadline as a result of the inspection or re-inspection of the materials.

(g) If any of the materials requires testing or combining, such testing or combining shall be conducted by the Contractor in the presence of the Employer.

(h) Construction Works involving the construction or installation of structures underwater or underground, or of structures that will not be easy to inspect after completion of the Construction, shall be constructed and installed in the presence of the Construction Supervisor; provided that if the Contractor obtains the prior written approval of the Construction Supervisor and it is possible to verify the construction method through photos, videos and other similar methods, the relevant Construction Works may be carried out without the presence of the Construction Supervisor.

(i) If the Contractor undertakes the Construction Works in violation of any of the conditions in paragraphs (a) through (h) above, or in a way that does not conform to the Design Documents, the Employer shall be entitled to demand that Construction be re-constructed or alternatively constructed.

(j) Nothing in paragraphs (b) through (i) above shall entitle the Contractor to request an increase or decrease to the Contract Price or an extension to the Completion Deadline; provided that, if upon a re-inspection of materials pursuant to paragraph (c) above, it is determined that the relevant material was indeed suitable, the Contractor may request an extension of the Completion Deadline up to the period of time that was required to complete the relevant re-inspection.

Article 6.3 Testing and Commissioning

(a) This Article 6.3 shall apply to all tests undertaken under and pursuant to this Contract.

(b) If requested by the Construction Supervisor, the Contractor must submit a testing and commissioning plan in respect of the Construction Works within [sixty (60)] days of the Effective Date. The testing and commissioning plan shall include the following details:

(i) the type of tests to be conducted;

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

the location, number of tests and frequency of testing;

testing and commissioning conditions (including normal operating conditions and emergency operating conditions);

participants (must include a person designated by the Construction Supervisor);

form of the test results report; and

such other requirements specified in the Construction Specification.

(c) The Construction Supervisor shall review the testing and commissioning plan. If, upon review, the Construction Supervisor determines that the testing and commissioning plan does not conform with this Contract, the Construction Supervisor shall notify the Contractor of the results of its review (including the reasons for its conclusions) in writing.

(d) Upon receipt of the notice mentioned in paragraph (c) above, the Contractor shall promptly revise the testing and commissioning plan at its own cost and expense and re-submit the same to the Construction Supervisor.

(e) The Contractor shall provide any and all documents and other information, and access to electricity, equipment and device, fuel, consumables, system, materials, services, and suitably qualified and experienced employees required to perform the testing and commissioning specified in this Contract, and shall bear all of the costs incurred in connection therewith.

(f) Unless otherwise agreed by the Parties, the Contractor must conduct all testing and commissioning in accordance with the approved testing and commissioning plan. The Employer, the Construction Supervisor and such other Employer Personnel hereby have the right to attend all tests.

(g) The Construction Supervisor may request that the Contractor change the location and details of a testing and commissioning or conduct additional testing and commissioning. If, as a result of such changes or additional testing and commissioning, it is determined that the relevant equipment, materials or technology do not conform with this Contract, all related costs shall be borne by the Contractor.

(h) If the Construction Supervisor fails to appear at the test site at the agreed time, and does not provide any separate instructions, the Contractor may perform the testing and commissioning as scheduled.

(i) With respect to all testing and commissioning performed under this Contract, the Contractor shall prepare and submit to the Employer a report or certificate. If the results of the relevant testing and commissioning are positive, the Construction Supervisor shall either approve and accept the Contractor's testing and commissioning certificate or issue a certificate having the same effect. If the Construction Supervisor fails to attend a testing and commissioning, the related report shall be deemed to have been approved.

KOICA CAMEROON

Article 6.4 **Re-testing and Re-commissioning**

(a) If an investigation, inspection, survey or testing and commissioning shows the facilities, materials, design or technologies (or any part thereof) to be defective or nonconforming with this Contract, the Employer may refuse to accept such facilities, materials, design or technologies after sending the Contractor a written notice stating the reasons for its refusal. The Contractor must, at its own cost and expense, promptly

repair any defects, and resolve or remedy the issues raised in the Employer's notice of refusal and ensure that the relevant facility, material, design or technology conform with this Contract.

(b) If the Construction Supervisor requests the re-testing and re-commissioning of any facility, material, design or technology, such re-testing and re-commissioning shall be conducted under the same conditions as the previous test. Any costs incurred by the Employer due to its refusal to accept any facility, material, design or technology or any re-testing and re-commissioning thereof shall be borne by the Contractor.

(c) Where an inspection of the exterior of the Construction is insufficient or inappropriate to confirm the presence of any defects, the Employer may instruct the Contractor to open a part or parts of the Construction in order to re-test and re-commission the relevant part thereof. The Contractor shall not be entitled to request an extension of the Completion Deadline or an adjustment to the Contract Price as a result of such retesting and re-commissioning.

(d) If a re-testing and re-commissioning under paragraph (c) above shows any part of the Construction to be defective or non-conforming with this Contract, any and all costs incurred in order to repair and remedy such defects shall be borne by the Contractor.

Article 6.5 **Non-conforming Construction Works**

(a) Regardless of the results of the test or certification, the Construction Supervisor may instruct the Contractor as follows:

to remove and replace such facilities or materials that do not conform with this Contract;

to remove and re-do works that do not conform with this Contract; and

to undertake, on an urgent basis, work that is required to preserve the safety of the Construction Works, regardless of the reasons (including accident or unpredictable events).

(b) The Contractor shall comply with the Construction Supervisor's instructions within the time specified, or immediately if the matter is urgent under paragraph (a)(iii) above.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

(c) If the Contractor fails to comply with the instructions, the Employer may hire a third party to perform the works in accordance with the relevant instructions. In this case, the Contractor shall bear all costs and expenses incurred by the Employer due to the Contractor's failure to comply with the instructions, including such costs incurred to hire the third party.

Article 6.6 **Ownership of Facilities and Materials**

To the extent permitted by the Laws of the Recipient Country, the Employer shall acquire ownership of the facilities and materials relating to the Construction Works, free from any and all encumbrances and restrictions, either:

when such facility or material is delivered to the Site; or

when the Contractor becomes entitled to claim payment for such facilities and materials, whichever occurs earlier.

Article 7 – Commencement, Delay, Suspension of Construction Works

Article 7.1 **Commencement**

Unless otherwise specified in this Contract, the Contractor shall commence the Construction Works on the scheduled Commencement Date set out in the Detailed Terms and Conditions ("**Commencement of Construction**"). Unless the applicable Laws of the Recipient Country require Governmental Authorizations to be obtained for the Commencement of Construction, the Contractor shall deliver the Notice of Commencement in accordance with Article 4.17 hereof and obtain the Employer's approval to the same by the scheduled Commencement Date. The date of Commencement of Construction shall be deemed to be the date on which the relevant Governmental Authorization is obtained or filed and accepted (if under the Laws of the Recipient Country, such Governmental Authorization is required to be obtained or filed) or on the date the Employer approves the Contractor's notification of Commencement of Construction (as the case may be).

Article 7.2 **Completion Deadline**

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Unless otherwise specified in this Contract, the Contractor must complete and handover the Construction Works to the Employer by the Completion Deadline; provided that, to the extent the Construction Works are subject to milestones hereunder, the relevant sections of the Construction Works shall be completed and handed over to the Employer within the relevant milestone deadline. For the avoidance of doubt, completion of the Construction Works herein shall mean such time when the Employer completes its Completion Inspection and is ready to issue a taking over certificate.

Article 7.3 **Contract Program**

(a) The Contractor shall submit to the Employer the fully detailed Contract Program for the Construction Works within twenty-one (21) days from the Effective Date.

(b) The Employer shall have twenty-one (21) days from the date it receives the Contractor's Contract Program pursuant to paragraph (a) above to review and notify the Contractor of its comments. If upon review, the Employer determines that the Contract Program for the Construction Works as submitted by the Contractor does not conform with the conditions of this Contract, the Employer's notice mentioned in the immediately preceding sentence shall include details of the same, including reasons for the Employer's determination.

(c) Upon receipt of the Employer's notice of its determination under paragraph (b) above, the Contractor shall revise the Contract Program for the Construction Works to reflect the Employer's comments and submit the same within seven (7) days of the date it receives the Employer's notice.

(d) If the Employer determines that the Contractor's Contract Program for the Construction

Works reflects the terms and conditions of this Contract, it shall approve the Contract Program for the Construction Works (the "**Approved Contract Program**") and notify the Contractor of its approval.

(e) The Approved Contract Program shall be the basis for calculating the progress rate of the Construction Works.

(f) Upon the Employer's request, the Contractor shall prepare and submit to the Employer a progress report containing details of the core process and performance schedule.

(g) The progress report prepared and delivered pursuant to paragraph (f) above shall provide the basis for the Parties' discussions regarding progress-related issues and requisite measures.

(h) If the Employer determines that the actual progress rate of the Construction Works is slower than as planned under the Approved Contract Program, it shall have the right to request that the Contractor prepare and submit a detailed performance schedule.

KOTCO CAMEROON

(i) If the Contractor fails to prepare and submit a detailed performance schedule, despite the Employer's request, the Employer may withhold payment of the Contract Price until such time the Contractor submits the requested detailed performance schedule.

(j) The performance schedule prepared pursuant to paragraph (f) above, shall not replace the Approved Contract Program unless otherwise approved in writing. For the avoidance of doubt, unless the Employer approves changes to the Approved Contract Program in writing, the Contractor shall undertake the Construction Works in accordance with the Approved Contract Program, regardless of the submission of the performance schedule or the Parties' discussions regarding progress-related issues and shall be liable for any delays vis-a-vis the Approved Contract Program.

(k) The Employer's comments and opinions on the Contract Program for the Construction Works, the Approved Contract Program, and the performance schedule shall not release the Contractor from any of its obligations or responsibilities hereunder and shall not constitute a waiver of the Employer's rights vis-à-vis the Contractor.

Article 7.4 **Extension of the Completion Deadline**

(a) The Contractor may extend the Completion Deadline in accordance with Article 18.1 hereof if the Contractor is unable to handover the Construction to the Employer on the date specified in the Approved Contract Program or on the Completion Deadline due to the occurrence of any of the following events affecting the core process in the Approved Contract Program:

changes to the Design under Article 11.3 hereof;

conditions for which the Contractor is hereby granted a right to request an extension of the Completion Deadline; or

such other causes attributable to the Employer.

(b) Upon the occurrence of an event described in paragraph (a) above that warrants an extension to the Completion Deadline, the Contractor shall notify the Employer, through the Construction Supervisor, in accordance with Article 18.1 hereof.

(c) If the Employer approves the extension of the Completion Deadline in accordance with

Article 18.1 hereof, the Contractor shall revise the Approved Contract Program to reflect the extended Completion Deadline and submit the same to the Employer.

(d) The Employer shall review the revised Approved Contract Program (the **"Revised Contract Program"**) submitted by the Contractor in accordance with paragraph (c) above and shall notify the Contractor whether or not the Revised Contract Program is approved in accordance with Article 7.3(d) hereof. The Revised Contract Program approved by the Employer shall be the Approved Contract Program under Article 7.3(d) hereof.

KOICA CAMEROON

(e) The Contactor may not request an extension to the Completion Deadline for any delays in any other process other than core process under the Approved Contract Program.

Article 7.5 Delays due to Government Authorities

(a) To the extent delays, which could not have been foreseen at the time of entering into this Contract, are caused by Government Authorities of the Recipient Country, notwithstanding the Contractor duly complied with all applicable Laws of the Recipient Country, including all procedures prescribed by and instructions of the Government Authorities of the Recipient Country, the Contractor may by written notice request an extension to the Completion Deadline, which notice shall (i) explain the impact of the delays caused by the Government Authorities on the Construction Works, (ii) confirm that none of the delays or causes thereof is attributable to the Contractor, and (iii) attach documentary evidence in support of (i) and (ii).

(b) The Contractor shall not be entitled to request an adjustment to the Contract Price as a result of any extension of the Completion Deadline pursuant to paragraph (a) above.

Article 7.6 Management of Delays in Progress

(a) Upon the occurrence of any of the following, the Employer may require the Contractor to prepare and submit a detailed performance schedule containing specific methods for complying with the progress rate specified in the Approved Contract Program:

if any core process, such as the construction of the frame), is suspended for one (1) month or more; or

if the actual rate of progress is delayed by 10% or more compared with the progress rate specified in the Approved Contract Program under Article 7.3 above.

(b) Unless the Employer separately opines or comments on the detailed performance schedule submitted by the Contractor under paragraph (a) above, the Contractor shall undertake the Construction Works in accordance with such submitted detailed performance schedule. The Contractor shall take all actions necessary, including in relation to manpower, materials, construction methods, in order to undertake the Construction works in accordance with the detailed performance schedule, and the Contractor shall be liable for all costs arising in relation thereto, including all such costs incurred by the Employer. The payments made by the Contractor to the Employer in accordance with this Article are separate from the liquidated damages specified in Article 7.7 below.

(c) Instead of agreeing to extend the Completion Deadline under Article 7.4 above, the

nitting
e the

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(c) When delivering the Notice of Completion Inspection under paragraph (b) above, the Contractor must also submit to the Construction Supervisor the documents listed in Article 4.1(g)(ii) hereof. To the extent the Contractor is unable to attach certain of the documents to the Notice of Completion Inspection, the Construction Supervisor and the Contractor may agree to adjust the submission date; provided that under no circumstances will the Contractor be permitted to apply for a taking over certificate or claim that the Completion Inspection has completed without submitting all of the documents listed in Article 4.1(g)(ii) hereof.

(d) Unless otherwise specified in this Contract, the Completion Inspection shall be conducted in accordance with the Construction Specification and an inspection plan approved by the Employer.

(e) The Employer shall issue and deliver to the Contractor a taking over certificate immediately upon completion of the completion inspection in accordance with this Article.

Article 8.2 Failed Completion Inspection

If all or any part of the Construction fails to pass the Completion Inspection, the Employer may, in its sole and absolute discretion:

conduct an inspection as specified in Article 8.1 of the part which has failed to pass the inspection;

refuse to accept all or a part of the Construction; or

issue a taking over certificate, on the condition that the Contractor shall continue to perform its obligations hereunder and the Employer shall be entitled to adjust the Contract Price downwards to reflect the decrease in the value of the Construction on account of the part(s) that has/have failed the Completion Inspection.

Article 9 – Acceptance of the Construction Works by the Employer and Site Clean-up

Article 9.1 Acceptance and Issuance of the Taking Over Certificate

(a) If the Completion Inspection of the Construction is completed and it is confirmed that the Construction has completed in accordance with the terms of this Contract and within the Completion Deadline, the Employer shall accept the whole or a part of the Construction and issue a taking over certificate in respect thereof.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) Fourteen (14) days prior to the date on which it deems handover of the Construction (in whole or in part) to the Employer will be possible, the Contractor may apply for issuance of a taking over certificate; provided that, the Contractor shall not apply for the taking over certificate until it has submitted all of the documents specified in Article 4.1(g)(ii) hereof. If the Contractor determines that independent use or handover of only a part of the Construction is possible due to the nature of the Construction, the Contractor shall apply for a taking over certificate in respect of such relevant part.

(c) The Employer shall take one of the following actions within twenty-eight (28) days from the date it receives the notice or application under paragraph (b) above:

issue a taking over certificate stating therein that the Employer has accepted all or a part (excluding such parts not constructed and defects that do not fundamentally affect the Construction Works) of the Construction on the date prescribed in this Contract; or

issue a response to the Contactor refusing the request to issue a taking over certificate and specifying details of the Construction that are incomplete and where additional work is required (in which case the Contractor shall complete the specified incomplete Construction Works and re-apply for the issuance of a taking over certificate).

(d) The Parties hereby acknowledge and agree that the Employer shall not be liable for the

Construction to the extent the Employer has not issued a taking over certificate in accordance with this Article 9.1.

(e) After the issuance of a taking over certificate, the Contractor must remove, at its own cost and expense, its equipment, remaining materials, wastes, and temporary installations and such other facilities and materials from the Site.

(f) If any of the Contactor's equipment, remaining materials, wastes, and temporary installations and such other facilities and materials are not removed from and remain on the Site [twenty-eight (28) days] after the issuance of the taking over certificate for the whole of the Construction, the Employer shall be entitled to sell or dispose of them and the Employer shall be entitled to seek from the Contractor the reimbursement of any costs and expenses incurred by it as a result of it undertaking such sale or disposal.

(g) The Employer may offset or deduct the costs and expenses it incurs under paragraph (f) above from the Contract Price under Article 12..6.

Article 9.2 Partial Acceptance of the Construction Works

(a) The Employer has the right to accept only a part of the Construction.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

(b) Unless agreed separately in writing, the Employer shall not use the Construction (or any part thereof) before the issuance of a relevant taking over certificate. To the extent the Employer uses the Construction (or any part thereof) prior to the issuance of a taking over certificate without any specific reason, the following shall apply:

the Employer shall be deemed to have accepted such part of the Construction that it uses as of the date it commences such use;

the Contractor shall not be responsible for the management of such part; and

the Employer shall issue a taking over certificate (for the relevant part) upon the Contractor's request.

(c) If the Employer has come to use all or any part of the Construction through a written agreement between the Parties or due to reasons attributable to the Contractor, such use shall not constitute deemed acceptance by the Employer and the Contractor shall remain responsible for the management of the Construction until such time the Employer issues a relevant taking over certificate under Article 9.1 above.

(d) If the Employer issues a taking over certificate in accordance with paragraph (b)(iii) above, the Contractor shall complete all incomplete Construction Works and commence the Completion Inspection process as soon as practicable and in any case by no later than the expiration of the Defect Notification Period.

(e) If in the course of handover to and acceptance by the Employer the Contractor incurs any costs and expense for reasons not attributable to it, the Contractor may notify the Employer of the same and request a corresponding adjustment of the Contract Price.

(f) If a taking over certificate is issued for only a part of the Construction, the Contractor's liability for delay shall be decreased in proportion to the ratio of the monetary value of the works accepted against the Contract Price for the whole of the Construction. The same shall apply in respect of the liquidated damages payable under Article 7.7 above. Notwithstanding the foregoing, the cap on liquidated damages shall continue to be based on the Contract Price and remain unchanged.

(g) The following provisions shall be applicable in priority to other provisions:

liquidated damages that have accrued before the Employer accepts any part of the Construction or issues a taking over certificate in respect thereof shall not be subject to any reduction; and

if any part of the Construction is accepted or a taking over certificate in respect thereto is issued after the Completion Deadline has lapsed, the Contractor shall be liable for delay in respect of the entire Construction Works.

Article 10 – Liability for Warranty against Defects

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Article 10.1 **Completion of the Remaining Construction Works and Repair of Defects**

(a) The Contractor shall undertake the following actions within the Defect Notification Period to ensure that the Construction complies with and satisfies the conditions required under this Contract:

complete the matters specified in the punch list (a list of unfinished parts and defects that do not fundamentally affect the Construction Works) prepared at the time of issuance of the relevant taking over certificate; and

repair any defects or damages in all or any part of the Construction.

(b) If the Contractor determines that it will be difficult to fulfil the obligations under paragraph (a)(ii) above within the Defect Notification Period, it shall immediately notify the Employer of the additional period required to fulfil such obligations. In such case, the period for which the Contractor remains liable for the relevant defect shall be extended until the end of the additional period specified by the Contractor in its notice to the Employer.

(c) The Contractor must notify the Employer of any newly discovered defects or damage in the process of implementing its obligations under paragraph (a) above.

Article 10.2 **Costs of Repair**

(a) The Contractor shall be liable for all costs and expenses incurred in repairing defects unless the defect was a result of any of the following and it is confirmed that the Contractor was at no fault, in which case, the Contractor may seek from the Employer reimbursement of the costs and expenses it incurred. For the avoidance of doubt, the Contractor shall not be entitled to refuse to repair any defects on the grounds that the cause of such defect has not been confirmed or the defect is a result of any of the following. In other words, upon receipt of a notice of defect(s) from the Employer, the Contractor shall immediately take action to repair the defect(s) regardless of the cause thereof and to the extent it is later confirmed that the cause of the relevant defect(s) is attributable to the Employer or a third party, the Contractor may then seek reimbursement from the Employer of its costs and expenses.

(i) where the Employer designs the Construction or the Employer is responsible for the Design;

where the construction and works have been undertaken by a third party or the machinery and equipment are of a third party;

where the Construction has been inappropriately operated, maintained or managed

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(b) In order to guarantee its repair obligations, the Contractor shall pay to the Employer an amount calculated by multiplying the defect security deposit rate (as specified in the Detailed Terms and Conditions) by the Contract Price (as may be adjusted hereunder)
(the "**Defect Liability Deposit**") at the time the Taking over certificate is issued. If the Contractor fails to fulfil its obligations under Article 10.1 above within the Defect Notification Period, the Employer may pocket the Defect Liability Deposit; otherwise, the Employer shall return the Defect Liability Deposit to the Contractor on the date it issues its confirmation of completion of repair.

(c) The Defect Liability Deposit under paragraph (b) above may be substituted by a guarantee issued by a financial institution approved by the Employer.

Article 10.3 **Extension of the Defect Notification Period**

In the event the whole of or a material part of the Construction is defective and cannot be used for its intended purpose, the Defect Notification Period in respect of the whole of or the relevant material part of the Construction shall recommence as of the date the relevant defect is repaired, fixed or replaced. If the Contractor has delivered to the Employer a guarantee issued by a financial institution in order to guarantee its repair obligations, the Contractor must update and re-submit such guarantee in respect of the Construction that have been repaired, fixed or replaced to reflect the extended Defect Notification Period.

Article 10.4 **Failure to Comply with Obligations to Repair**

(a) If the Contractor anticipates that it will not be able to complete its repairs within the period designated by the Employer or other appropriate period, the Contractor must notify the Employer of the date by which it expects to complete its repairs.

(b) If the Contractor fails to complete its repairs by the date notified in accordance with paragraph (a) above, it shall be liable for all costs and expenses arising as a result of such failure. The Employer may adopt or implement the following measures:

the Employer may undertake the repair works itself or by engaging a third party and the Contractor shall reimburse the Employer for all costs and expenses incurred in this regard;

the Employer may determine the cost of repairs and deduct such amount from the Contract Price; or

if the defect occurs in a material part of the Construction and if the defect has substantial impact on the entire Construction such that the Employer is unable to use it for its intended purpose, the Employer may terminate this Contract (in which case the Employer may claim from the Contractor all construction costs already paid and all costs and expenses incurred in order to dismantle the Construction and clean-up the Construction Site).

Article 10.5 **Dismantlement of Defective Parts**

If a defect cannot be repaired, the Contractor may dismantle or remove the relevant part subject to obtaining written consent from the Employer. The Employer may decide at its discretion whether or not to agree to the dismantlement or removal of the defective part of the Construction and the Employer shall be entitled to claim damages arising as a result of the dismantlement or removal of the defective part of the Construction or to demand that the relevant part be re-constructed. In order to guarantee payment of damages related to the dismantlement or removal of the defective part of the Construction and/or payment of costs and expenses relating to any re-construction hereby, the Employer shall be entitled to demand an increase to the Defect Liability Deposit (notwithstanding Article 10.2(b) above) or that the Contractor takes other necessary measures.

Article 10.6 **Additional Inspection**

(a) If the repair of any defect affects the functionality and efficiency of the Construction, the Employer shall be entitled to demand that the Contractor conducts a re-inspection, including the Completion Inspection.

(b) The re-inspection shall be conducted by adopting the same method as used in the initial inspection.

Article 10.7 **Contractor's Right to Investigate the Cause of a Defect and to Access the Construction**

(a) Until the Employer's issuance of its confirmation of completion of repairs, the Contractor may, subject to obtaining written consent from the Employer, access the Construction to the extent necessary in order to record, operate and repair the Construction.

(b) Upon the Employer's request, the Contractor must investigate the cause of the defects. If, by the application of Article 10.2(a), the Contractor is not liable to bear the costs and expenses of repair, the costs and expenses incurred by the Contractor in connection with its investigation of the cause of the defects hereby shall be shared by the Employer and the Contractor in proportions to be separately agreed.

Article 10.8 **Issuance of Confirmation of Completion of Repairs**

(a) The Contractor shall comply with its obligations under this Article 10 until a confirmation of completion of repairs is issued by the Employer.

KOICA CAMEROON

(b) The Employer shall issue a confirmation of completion of repairs within twenty-eight (28) days from the later of: (i) the expiration date of the Defect Notification Period, or (ii) the date on which the repair of the defect notified to the Contractor within the Defect Notification Period is completed (if the Parties have agreed to inspect the repairs then the relevant date shall be the date on which the repairs pass inspection). The Employer shall be entitled to delegate the issuance of the confirmation of completion of repairs to the Governmental Authorities of the Recipient Country, and if the Governmental Authorities of the Recipient Country issues the confirmation, the Employer shall be deemed to have issued the same.

(c) If the Parties agree on a provisional warranty period separate from the Defect Notification Period, the Contractor shall be responsible for repairing, at its own cost and expense, any latent defects that occur during such provisional warranty period, notwithstanding the issuance of the confirmation of completion of repairs. The Employer shall permit the Contractor to access the Construction for the purpose of inspection or repair of such latent defects, and the Contractor shall repair such latent defects within a reasonable period.

(d) With regard to paragraph (c) above, if the Contractor fails to repair the latent defects within the period designated by the Employer, the Employer may, by using reasonable methods, repair such latent defects itself or through a third party and charge the Contractor for the costs incurred. The Contractor shall reimburse the Employer for all reasonable amounts expended in order to repair the relevant latent defects. The settlement by the Contractor of the Employer's costs and expenses regarding the repairs hereby shall not affect the Contractor's warranty obligations hereunder.

(e) The Parties shall be responsible for complying with their respective obligations hereunder even after the issuance of the confirmation of completion of repairs. This Contract shall remain in effect to the extent the Parties continue to bear such responsibilities.

Article 11 – Design Change and Adjustment of Contract Price

Article 11.1 Settlement and Determination of the Contract Price

(a) Unless otherwise specified in this Contract, the Contract Price shall be fixed and shall not be recalculated or reassessed.

(b) To the extent *ex post* settlement is contemplated, and to the extent the Parties have agreed in writing, the Contract Price may be fixed *ex post* by applying the unit price to the volume of Construction Works completed.

Article 11.2 Authority to Change the Design

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(a) At any time before the issuance of a taking over certificate, the Employer may change the design of the Construction Works (a "**Design Change**") by providing instructions or by accepting any change proposals of the Contractor.

(b) The Contractor shall implement a Design Change.

(c) A Design Change may include the following but the following shall not necessarily always constitute a Design Change:

changes arising due to any uncertainty, omission, error, or controversy in the Design Documents;

changes arising because the conditions of the Construction Site, such as geological features and water, etc. are different from those specified in the Design Documents;

changes arising because it is clear that utilization of new technologies or construction methods will result in a reduction in the costs of construction and shorten the construction period;

such other changes, including additional work accompanied by partial changes to the Project, the deletion of a particular construction, a change in the construction plan, a change in the construction method, arising because the Employer deems it necessary for the proper implementation of the Project.

(d) Where a Design Change is necessary pursuant to paragraph (c)(i) above, the Contractor shall, prior to implementing any Design Change, prepare documentation detailing the relevant matters and provide the same to the Employer through the Construction Supervisor. Promptly upon receipt of the Contractor's documentation and notice, the Employer shall determine whether it will implement a Design Change by adopting any one of the following methods and take the necessary measures in respect thereto:



where a Design Change is deemed necessary because of uncertainty or ambiguity in the Design Documents (for example, it is impossible to confirm the construction method or the materials required based only on the Design Documents), the Employer shall determine whether to agree to the Design Change after having confirmed the construction method and materials under the original Design Documents with a designer and having reviewed the unit price calculations or bills of quantity prepared by the Employer;

where a Design Change is deemed necessary because of any omission or error in the Design Documents, the Employer shall inspect and confirm the existence of such omission or error and supplement (or procure the supplementation of) the Design Documents to secure the functionality and security of the Project and Construction;

where the Design Drawing and Construction Specification are consistent with each other but a Design Change is deemed necessary because of a discrepancy between the Design Drawing and the Quantity Statement, the Employer shall procure that the Quantity Statement corresponds with the Design Drawing and Construction Specification;

where there are discrepancies between the Design Drawing and the Construction Specifications and discrepancies between the Quantity Statement and either the Design Drawing or the Construction Specifications, either the Design Drawing or the Construction Specifications shall be confirmed in priority in order to best facilitate the Construction Works and then the Quantity Statement shall be revised in line with the same.

(e) Where a Design Change is deemed necessary pursuant to paragraph (c)(ii) above, the Contractor shall, without delay, prepare documentation detailing how the actual Site conditions differ from those detailed in the Design Documents and notify the Employer of the same via the Construction Supervisor. Upon the receipt of the Contractor's documentation and notice, the Employer shall immediately have the Construction Supervisor check the Site and submit its opinion on whether a Design Change is required and based on the Construction Supervisor's comments, the Employer shall notify the Contractor whether it agrees to a Design Change.

(f) The Contractor shall not implement any Design Change before it receives written instructions to do so from the Employer.

(g) Where a Design Change is deemed necessary pursuant to paragraph (c)(iii) above, the Contractor may, at its own cost and expense, propose to the Employer the following Design Changes (each a "**Contractor Design Change Proposal**"). Any Contractor

Design Change Proposal shall include the Contract Program mentioned in Article 7.3 above updated to reflect the proposed matters, a detailed description of the proposed matters, related calculations and details of how the proposed Design Change will help save construction costs and shorten the construction period and such other matters to be considered.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

A Design Change proposal to shorten the overall construction period;

a Design Change proposal to help reduce construction costs;

a Design Change proposal that will enhance efficiency and effectiveness for the benefit of the Employer; and

such other Design Change proposals that are favorable to the Employer.

(h) The Employer shall review the Contractor Design Change Proposal and notify the Contractor of its decision. The right to approve or reject the Contractor Design Change Proposal lies with the Employer.

(i) The Contractor's failure to comply with its obligations hereunder shall, under no circumstances, be deemed to constitute a Design Change and shall not be a cause for adjusting the Contract Price or extending the Completion Deadline. To the extent the Employer incurs costs and expenses as a result of the Contractor's failure to comply with its obligations hereunder, the Employer may claim such costs and expenses from the Contractor and may offset such amounts from the Contract Price.

(j) The Employer shall be entitled to instruct a Design Change and the Contractor must implement such Design Change even if an adjustment to the Contract Price or an extension to the Completion Deadline in respect of such Design Change is not agreed or decided.

(k) A Design Change shall not modify or revise the terms and conditions of this Contract. If a Design Change comprises the exclusion of a part of the Construction from the scope of the Contractor's services hereunder, the Employer shall be entitled to undertake such works itself or through a third party. The Contractor hereby acknowledges and agrees that notwithstanding the foregoing, this Contract as a whole shall remain effective and it will not be considered partially terminated.

Article 11.3 Procedures for Changing the Design

(a) If the Employer instructs a Design Change, the Contractor shall, without delay, submit to the Employer a proposal containing the following:

a construction execution plan that takes into account the Design Change and which includes a construction execution schedule;

a proposal required to modify the Approved Contract Program and the Completion Deadline under Article 7.3 above.

details of adjustments required, including to the Contract Price (applying the unit price under the Calculation Statement); and

such other matters of which the Employer should be informed.

KOICA CAMEROON

(b) Upon the receipt of the proposal under paragraph (a) above, the Employer shall, without delay, approve or reject the same. The Employer may request that the Contractor supplements the proposal. The Contractor must not delay the Construction

Works while it waits for the Employer's decision on its proposals.

(c) Subject to the Employer's decision under paragraph (b) above, the Employer shall issue Design Change instructions in writing. The issuance of such instructions shall not constitute the Employer's consent or agreement to the Contractor's proposal on the adjustment to the Contract Price and/or extension of the Completion Deadline.

(d) Upon a Design Change, the Employer shall consult with the Contractor regarding any adjustment of the Contract Price under Article 11.4 and any extension of the Completion Deadline under Article 7.4.

Article 11.4 Adjustment of the Contract Price

(a) Any adjustment of the Contract Price on account of a Design Change pursuant to Articles 11.2(c)(i), (ii), or (iii) shall be made in accordance with following criteria:

if the quantity of an item or an item of expenditure specified in the Calculation Statement decreases or increases, the Contract unit price shall apply. If, at the time of its tender, the Employer announced an expected unit price, and if the Contract unit price is higher than the expected unit price, the expected unit price shall apply to any increased quantity; and

the unit price of an item or an item of expenditure not included in the Calculation Statement (includes cases where the items are the same but their functions and specifications are different) shall be the sum of the unit price calculated at the time of the Design Change (being the time the Employer confirms the amended Design Drawings (if changes to the Design Drawings are required) or the time the Parties agree in writing a Design Change (if changes to the Design Drawings are not required)) and the same unit price multiplied by the ratio of the bid price or of the Contract Price (the bid rate) vis-à-vis the expected price.

(b) Any adjustment of the Contract Price on account of a Design Change pursuant to Article 11.2(c)(iv) above and the unit price of any increased quantity of materials or new items of expenditure shall be determined by mutual consultation between the Employer and the Contractor within the range of the unit price calculated at the time of the Design Change and the same unit price multiplied by the bid rate. If the Parties are unable to reach an agreement, the relevant unit price shall be 50/100 of the unit price calculated at the time of Design Change and the said unit price multiplied by the bid rate.

(c) If the Contract Price is paid in multiple currencies, the currency of the Contract Price as adjusted by a Design Change shall be determined in accordance with the currency payment conditions set out in this Contract.

KOICA CAMEROON

(d) The Employer may instruct a Design Change under the condition of *ex post* settlement and if it does so, the Contractor shall, prior to procuring the requisite materials, provide the Employer a fee quote in respect of the same and when requesting payment, shall provide the Employer with documentary evidence of actual expenditure.

(e) If a Design Change is ordered on the condition that settlement will be *ex post*, the Contractor, when undertaking the relevant Construction Works, shall submit to the Employer on a daily basis a work statement which shall include the following details:

the name and title of the Contractor's Personnel who has supervised the particular work and the number of hours s/he has worked;

the type of equipment and materials or items used by the Contractor and the hours of use; and

the quantity of equipment or materials used.

(f) The Employer shall review the work statement provided in accordance with paragraph (e) above and shall sign and return the same if it determines that the work statement accurately reflects the status quo of the works. When requesting settlement of payment in respect of works completed, the Contractor shall attach the work statements signed by the Employer to its invoice.

Article 11.5 Change in Law

The Contract Price shall not be adjusted notwithstanding any changes in law (including the enactment of new legislation, revisions to existing laws, precedent changes, changes to enforcement ordinances and administrative rules, changes in authoritative interpretations).

Article 11.6 Fluctuations in Price and Exchange Rates

Unless otherwise specified in this Contract, the Contract Price shall not be adjusted for changes in the cost of labor, materials and other items required for the Construction Works during the Contract Period. The Contract Price shall not be adjusted due to exchange rate fluctuations.

Article 11.7 Provisional Sums

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(a) Provisional sums may be used, in whole or in part, only under the instructions of the Employer and the Contract Price shall be adjusted according to the use (if any) and records thereof. The total Contract Price paid to the Contractor shall be inclusive of all provisional sums paid at the instructions of the Employer in consideration for the works and/or the services rendered by the Contractor. With respect to the provisional sum, the Employer may instruct the Contractor:

regarding the Construction Works to be undertaken by and/or the services to be rendered by the Contractor;

to comply with the procedures for changing the Design as set out in Article 11.3 above; and

to submit details of direct and indirect expenses (including insurance premia, general management expenses, profits) incurred in the implementation of the Construction Works and/or the rendering of the services related to the provisional sum.

(b) Upon the Employer's request, the Contractor shall submit to the Employer proof (including quotations, invoices, transaction details and receipts) of costs of the Construction Works and/or services related to the provisional sum.

Article 12 – Contract Price and Payment Methods

Article 12.1 Contract Price

(a) The Contractor shall be paid the whole of the Contract Price as stated in paragraph 1 of Section B of the Contract Agreement and/or the Detailed Terms and Conditions.

(b) Unless otherwise specified in this Contract, the Contract Price is inclusive of all taxes, duties and fees, and other expenses, arising in connection with the Contractor's performance of this Contract.

Article 12.2 Advance Payments

(a) If the Employer makes an advance payment in accordance with the Special Conditions, the Contractor shall provide the Employer with a bank guarantee for advance payment. The advance payment made by the Employer is a non-interest-bearing loan and shall be used only for the purpose of performing this Contract.

(b) The obligation of the Employer to make any advance payment is subject to the Contractor's submission of the following documents as a condition precedent:

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

an application for payment of an advance payment;

documentary evidence confirming payment of the Cash Guarantee of the Bank Guarantee for Performance itself; and

a bank guarantee for advance payment (or, if the Employer agrees that it is not possible to have such bank guarantee for advance payment issued, a letter of undertaking from the Contractor covenanting and undertaking to return the advance payment).

(c) Unless otherwise specified in the Special Conditions, the bank guarantee for advance payment shall be an irrevocable and unconditional marketable security issued by a financial institution approved by the Employer.

(d) The amount of guarantee stated on the bank guarantee for advance payment must be more than the Employer's advance payment(s) and, unless otherwise specified in the Special Conditions, the bank guarantee for advance payment shall mature on the 60th day from the day following the Completion Deadline. The amount of guarantee stated on the bank guarantee for advance payment may be reduced in proportion to the ratio of progress payments paid up until Completion. If the maturity date is stated on the bank guarantee for advance payment and the guarantee matures prior to the Completion Date, the Contractor shall, by no later than twenty-eight (28) days prior to the maturity date, take measures to extend the maturity period to a time after when Completion is expected to occur. If the maturity date under the bank guarantee for advance payment is to be extended due to reason(s) not attributable to the Contractor, the costs of such extension shall be borne by the Employer.

(e) Any outstanding amounts of the advance payment shall become immediately due and payable upon the occurrence of a termination event under this Contract and in such case, the Contractor shall immediately repay any outstanding amounts of the advance payment to the Employer.

(f) The Employer shall return the bank guarantee for advance payment to the Contractor within sixty (60) days of the date the taking over certificate for the whole of the Construction is issued, unless paragraph (e) shall apply.

Article 12.3 **Payments for Completed Parts**

(a) The Contractor may deliver to the Employer progress reports containing details of the Construction Works undertaken during each period prescribed in the Detailed Terms and Conditions and seek the settlement of applicable payments related to parts of the Construction Works completed (the "**Applicable Payments**").

(b) The Contractor's request for settlement of an Applicable Payment shall state the following:

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

the amount of the Applicable Payment the Contractor is seeking and all documents related to any Design Change issued up until the time of the Contractor's request for payment;

where payment is to be made in consideration for achievement of certain progress rates, confirmation of whether the relevant progress rate has been achieved;

where the Detailed Terms and Conditions provide for differently with respect to reserves, the total amount of reserves, the total amount of reserves available at the time of the Contractor's request for settlement of the Applicable Payment and the amount to be reserved from the Contractor's request for settlement of the Applicable Payment;

any amount to be deducted in light of any advance payment amounts repaid; and

any other deductible amounts.

Article 12.4 **Payment of Applicable Payments and Issuance of Confirmation of Payment**

(a) No payment whatsoever shall be made until the Contractor provides the Employer with the Performance Guarantee. Within twenty-eight (28) days of receiving the Contractor's request for settlement of an Applicable Payment with the relevant attachments, the Employer shall issue a confirmation stating the amount of Applicable Payment it determines to be payable. Such confirmation shall also detail the Employer's rationale for the amount of Applicable Payment specified therein.

(b) The Employer shall issue its confirmation unless any of the following events occur:

where there are defects in the Construction Works undertaken by the Contractor or such works are inconsistent with this Contract yet the Contractor fails to take appropriate measures to cure such defects or inconsistencies and such failure results in repair and maintenance costs that exceed the agreed amount of the Applicable Payment;

where the cost of construction of the non-compliant part of the Construction Works exceeds the agreed amount of the Applicable Payment because the Contractor has failed to comply with its obligations despite the Employer's notice for rectification; or

rogress

plicable
nstitute
th this

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

in the
nation
apses,
ortion
ate for
able to
e Bank

ansfer
e wire

kers of

he any

d the
of the

r and

waive
ability

s.

KOICA CAMEROON

Unless this Contract provides otherwise in respect of the repayment of reserves, the Employer shall re
and a taking over certificate for all of the Construction Works is issued. The remaining 50% of the rese
Construction Works for which the Contractor remains liable to repair any defects, the Employer shall b

Payment for Completion

Within sixty (60) days from the date the Contractor receives a taking over certificate from the Emplc
account, which shall include the following details:

details of the Construction Works undertaken by the Contractor and the corresponding amount payab

such other costs for which the Contractor may charge the Employer.

The Employer may reject the draft statement of account submitted by the Contractor and instead reque
the draft statement of account and submit the same to the Employer. Once agreed by the Employer ar

Where there is a dispute between the Employer and the Contractor regarding the final settlement am
Parties.

Upon closing of the dispute, the Contractor shall prepare the Statement of Accounts to reflect the resu

The Employer shall have twenty-eight (28) days from the date it receives the Statement of Account u
settlement signed by the Employer shall include the following:

confirmation and acknowledgement that the settlement amount stated therein is the only amount pa

confirmation that the settlement amount stated therein is reflective of all of the amount payable by th

If the Contractor fails to request settlement of final payment, the Employer may instruct the Contracto
(28) days from the date of the Employer's instructions, the Employer may pay the Contractor such fina

KOICA CAMEROON

The Employer's payment of the final settlement amount does not constitute and shall not be construed by the Contractor have been duly completed in accordance with this Contract.

Currency of Payment

Unless otherwise specified in this Contract, the Employer shall pay the Contract Price in the currency stat shall apply:

where the Detailed Terms and Conditions only makes reference to the local currency, the Contract Price in the Detailed Terms and Conditions and foreign currency. Any adjustment of the Contract Pri regarding the Contract Price;

damages shall be paid by taking into consideration the payment ratio of the local currency stated in the

other payments required hereunder shall be paid according to the Parties' agreement; and

if the Detailed Terms and Conditions do not otherwise provide for the exchange rate, the exchange rat

Inspection of Accounts

The Employer has the right to peruse and inspect all financial documents related to the construction c that are confirmed to have been paid in excess of the terms and conditions of this Contract.

The Contractor hereby acknowledges and agrees that the Employer has the rights specified in paragra under paragraph (a) above without hindrance. The Contractor shall grant the Employer access to all do if necessary, the Contractor shall instruct its attorney, accountant, agent or consultant to cooperate wi

Set-off

Unless prohibited by the Laws, the Employer may offset its payables owed to the Contractor against re

KOICA CAMEROON

Article 13 – Cancellation or Termination by the Employer

Article 13.1 **Notice to Cure**

If the Contractor fails to comply with its obligations or only partially complies with its obligations under this Contract, the Employer shall be entitled to notify the Contractor of the same and to request that the Contractor cure the breach by a certain date.

:he specified deadline;

or to stop performing its obligations hereunder;

ɔresentations and warranties, without any justifiable cause;

ıe Employer;

tractor;

: confirmation, certificates, statements or inspection results that are false;

ı third party;

Guarantee amount;

ikely to be completed by the Completion Deadline, in each case, due to reasons attributable to the Contractor; or

ıting to the obligation of integrity.

ıall be entitled to exercise all rights prescribed by the Laws and this Contract.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

ontractor shall, without delay, withdraw from the Site, leaving the Contractor Documents and goods that belong to or vest in

‹e the Construction Works and such third party shall be entitled to use the Contractor's materials and documents.

r's equipment and temporary installations, the Contractor shall, at its own cost and expense, arrange for the return of its
ractor remain unpaid and outstanding

ry installations and apply the proceeds of such sale to settle such outstanding liabilities. Any amount remaining after such

ıy, appraise the value of the remaining Construction, materials and the Contractor Documents and finally determine the price
amount with the Contractor, the Employer shall pay the Contractor an appropriate settlement amount which shall have been

o:

payment obligations hereunder, including, payments related to repairing any defects, damages, liquidated damages; and

owed to a third party that are incurred subsequently in order to complete the Construction Works or for defect repair costs

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

all notify the Contractor of its intentions to terminate without cause. Such termination of this Contract shall take effect twenty-ion or on the date the Employer returns the Performance Guarantee to the Contractor, whichever occurs earlier.

Article 14 – Suspension of Construction Works and Termination by the Contractor

Article 14.1 Contractor's Right to Suspend the Construction Works

(a) If the Employer delays in making payments for sixty (60) days or longer from the relevant due date under Article 12, the Contractor may suspend the Construction Works by giving 21-days' prior notice.

(b) If the Contractor receives payment after suspending the Construction Works under paragraph (a) above, the Contractor shall resume the Construction Works without delay.

Article 14.2 Termination by the Contractor

(a) The Contractor may, by giving twenty-eight (28) days' prior notice, terminate this Contract upon the occurrence of the following:

if a Design Change results in at least 40% decrease in the Contract Price; or

if the suspension period of the Construction Works under Article 7.8 exceeds 100% of the Completion Deadline.

(b) If following the Contractor's notice of termination under paragraph (a) above, the Employer settles payment for the Construction Works within twenty-eight (28) days of the notice or if the order to suspend is lifted, the Contractor shall not be entitled to terminate this Contract hereby.

Article 14.3 Termination and Withdrawal of Equipment

Upon the termination of this Contract pursuant to Articles 13.2, 13.4, 14.2 or 17.5, the Contractor shall, without delay:

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

suspend all works other than those specifically instructed by the Employer or those affecting human life and property, and safety;

handover to the Employer all documents, machines, materials, and other works prepared by the Contractor;

remove and withdraw all goods from the Site other than those items required by the Employer;

transfer or assign to the Employer all works, machines, materials, and other contracts and rights to the extent legally permitted;

deliver all documents prepared for the benefit of the Employer by the Contractor or its subcontractor; and (vi) remove all waste.

Article 14.4 **Payment after Termination**

When termination of this Contract under Article 14.2 takes effect, the Employer shall, without delay, return the Performance Guarantee to the Contractor and make payments in accordance with Article 17.5 hereof.

Article 15 – Risks and Liabilities

Article 15.1 **Indemnification**

(a) In connection with its performance of this Contract, the Contractor hereby indemnifies the Employer and its executives, employees and its agents and representatives from all personal injury and physical damage suffered as a result of the intentional recklessness or negligence of the Contractor, persons (including the Contractor's subcontractors) working under the instructions of the Contractor's Site Manager and agents and representatives of the Contractor. Furthermore, the Contractor hereby indemnifies and holds harmless the Employer and its executives and employees and its agents and

representatives from any third party claims for damages or litigation related to bodily injury, death or property damage. The scope of the Contractor's liability shall include, but not be limited to, the following:

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

reparation of defects and compliance with obligations prescribed by the Laws;

bodily injury, disease, death and other personal injury caused by the Construction Works;

property damage caused by a breach of this Contract or the Laws;

penalties, fines, surcharges, and other sanctions imposed for a breach of this Contract or the Laws;

damages suffered as a result of a breach of the representations and warranties; and

infringement of intellectual property rights.

(b) The Contractor shall not agree to any settlement or adjustment for the Employer without the prior consent of the Employer.

(c) The indemnification obligations in this Article 15.1 shall remain effective and survive any expiration, rescission or termination of this Contract.

Article 15.2 **Contractor's Obligation to Manage and Supervise**

(a) From the Effective Date to the date the taking over certificate for the whole of the Construction is issued, the Contractor shall be responsible for managing and supervising the Site and the Construction Works in accordance with a Site management plan. If a taking over certificate is issued in respect of only a part of the Construction, the Employer shall thereafter be responsible for managing such part of the Construction.

(b) To the extent the Employer becomes responsible for managing certain parts of the Construction in accordance with paragraph (a) above, the Contractor's liability for managing and supervising the Site and the works shall be limited to those parts of the Construction Works not yet constructed.

(c) The Contractor shall be liable for any and all damage or loss to the Construction arising during its management and supervision thereof, irrespective of how they are caused and the Contractor shall be responsible for repairing or providing compensation for such damage or loss.

(d) All liability of the Contractor that accrued prior to the issuance of a taking over certificate shall remain the Contractor's liability notwithstanding the issuance of such taking over certificate.

Article 15.3 **Intellectual Property Rights**

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(a) The term "**infringement**" as used in this Article means an infringement of intellectual property, including patents, registered designs, copyrights, trademarks, and the term "**claim**" as used in this Article means a claim for an infringement of intellectual property rights.

(b) Where intellectual property rights claims regarding the below results in damages for the Contractor, the Employer shall indemnify the Contractor for such damages suffered:

where intellectual property rights are infringed during the Contractor's proper use of the documents provided by the Employer;

where intellectual property rights are infringed by documents or goods provided by the Employer, which infringement was reasonably foreseeable by the Employer.

(c) Where intellectual property rights claims regarding the below results in damages for the Employer, the Contractor shall indemnify the Employer for such damages suffered:

where intellectual property rights relating to the manufacture, use, sale and importation of materials are infringed; or

where the claim relates to the Design (including any Design Changes proposed by the Contractor) for which the Contractor is responsible.

(d) If a Party's right of indemnification hereunder is triggered, the indemnifying Party shall engage in negotiations, mediation, litigation or arbitration in respect of the claim to the extent permitted by applicable Laws. The Parties shall cooperate with each other to defend any third-party claim.

(e) The indemnification obligations in this Article 15.3 shall remain effective and survive any expiration, rescission or termination of this Contract.

Article 15.4 **Limitation of Liability**

(a) Except as otherwise expressly specified in this Contract, no Party shall be liable for indirect or consequential damage suffered by the other Party in connection with this Contract.

(b) The Contractor's liability to the Employer shall not exceed the cap on liability specified in the Detailed Terms and Conditions.

(c) The limitation of liability under paragraph (b) above shall not apply where the Contractor has failed to obtain or maintain insurances under Article 16 or where the Contractor has failed to receive insurance monies because it has negligently undertaken an action that is excluded under its insurance policies.

KOICA CAMEROON

(d) The limitation of liability provisions under this Article shall not apply in respect of the following:

liquidated damages and where the Contractor has failed a Completion Inspection;

where payment is withheld or reserved;

any set-off; and

any claim in respect of the results of a Completion Inspection.

(e) The limitation of liability provisions under this Article shall not apply to damages caused by or arising out of the Contractor's willful misconduct, gross negligence or fraud.

Article 15.5 Warranty for the Construction Works

(a) Regardless of the statements in the documents (including the Design Documents and Construction Specification) provided by the Employer or of the Employer's approval or intention to withhold consent under this Contract, the Contractor hereby warrants that:

(i) the Construction Works will be undertaken by person(s) with the relevant qualifications and sufficient experience in light of the form and shape, size, nature and type of the Project;

(ii) the Construction Works will be undertaken in compliance with all terms and conditions of this Contract (including, terms regarding the Contract Price, the Completion Date, materials and construction methods), and the Construction will be usable and fully operatable as described in the Construction Specification;

(iii) the Construction will be completed in accordance with the Construction Specification;

(iv) the Construction Works will be undertaken in compliance with the highest-level of safety and environmental protection measures as set out in this Contract and applicable Laws;

(v) the construction methods and all equipment, machinery, devices and materials applied to and used for the Construction Works have been technically verified and may be commercially utilized;

(vi) all equipment, machinery, devices and materials used for the Construction Works are new and free of defects and flaws and (even if not expressly provided for in this Contract) of a quality consistent with products that are compliant with internationally accepted good practice principles of the construction industry; and

(vii) the Construction Works will be undertaken in compliance with the Laws and the guidelines and requirements of the relevant Governmental Authorities.

KOICA CAMEROON

(b) The warranties and obligations in this Article 15.5 shall remain effective and survive any expiration, rescission or termination of this Contract.

Article 16 – Insurance

Article 16.1 General Requirements regarding Insurance

(a) The Employer shall purchase and maintain insurance that meets the insurance conditions set out in the Detailed Terms and Conditions regarding the Employer's Insurance.

(b) The Contractor must purchase insurance that meets the insurance conditions set out in the Detailed Terms and Conditions regarding the Contractor's Insurance and unless

otherwise specified in the Detailed Terms and Conditions, it must maintain such insurance until the date on which a taking over certificate for the whole of the Construction is issued. The Contractor must purchase and maintain insurance prescribed by the relevant Laws and, if necessary, ensure that the scope of its insurances cover its subcontractors as well. Unless otherwise specified in the Detailed Terms and Conditions, the Contractor shall purchase its insurances by the Commencement Date, and the Contractor shall deliver copies of its insurance policies with its Notice of Commencement.

(c) Each Party shall, without delay, notify the other Party upon the occurrence of any of the following:

the cancellation, termination, invalidation or similar of any insurance policy;

if the insurance company rejects an insurance claim and does not pay out insurance monies;

if the insurance company, either orally or in writing, claims the invalidity or ineffectiveness of an insurance policy; or

upon becoming aware of a cause or reason that could invalidate an insurance policy.

(d) Each Party shall notify the other Party of any changes (including the cancellation, termination, invalidation of the policies) to its insurance policies within twenty-eight (28) days of such change coming into effect.

(e) Upon the Employer's request, the Contractor must provide the following information to the Employer's insurers:

KOICA CAMEROON

all information required by the Employer's insurer in order to analyze the risks under this Contract;

all information requested by the Employer or the Employer's insurer;

all information that the Employer's insurer should be aware of or informed of in order to determine the scope of its insurance coverage.

(f) The Contractor must provide all necessary information in a timely manner so that the Employer can properly comply with its notification obligations under its insurance policies.

(g) The Contractor shall notify the Employer of any significant change in its construction methods or the order of construction which may affect the scope of coverage under the insurances. None of the Parties may amend or modify a material term and condition of its insurance policy without the other Party's consent and agreement. If a Party's insurer amends or modifies a term or condition of the insurance policy, the relevant Party shall notify the other Party of the same.

(h) The Contractor shall, with its subcontractors, provide the Employer with all documents and information (including all materials, reports, procedures, progress schedule) required to claim insurance monies.

(i) As soon as practicable, the Contractor shall provide the Employer with evidence that it has purchased requisite insurances and has paid all insurance premia thereon.

(j) The Employer may request that the Contractor provides evidence to verify and confirm that the Contractor has purchased and is maintaining all insurances required under this Contract. If the Employer finds the evidence submitted by the Contractor to be insufficient or unsatisfactory, the Employer shall be entitled to take (at the Contractor's cost and expense) all such measures (including paying premium) necessary to purchase and maintain the insurances.

(k) The Contractor must, without delay, notify the Employer and the insurers upon the occurrence of any of the following:

if there is a risk of loss exceeding the Contractor's out-of-pocket expenses under any of its insurance policies; or

if it becomes aware that a loss will exceed the Contractor's out-of-pocket expenses under any of its insurance policies.

(l) Any notice provided in accordance with paragraph (k) above shall provide a description of the loss, including details of the nature of the loss, the background or context of the loss, measures to be taken, request for consent from the insurer. The Contractor must notify the Employer whenever there is a change to any part of the description.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(m) The Contractor must obtain the consent of the Employer whenever it undertakes the following actions with its insurer:

where liability is accepted vis-à-vis a third party;

where the Contractor and the insurer engage in negotiations regarding insurance monies;

where the Contractor and the insurer come to an agreement regarding insurance monies; or

upon the initiation of litigation or arbitral proceedings.

(n) When preparing an insurance claim, the Contractor shall keep the Employer apprised of all developments and details and shall obtain the cooperation of the Employer and/or experts.

(o) The Contractor's obligations to insure under this Article 16 shall not be deemed to relieve the Contractor of its obligations under any other provision of this Contract. The Contractor shall remain liable to the Employer for any damages that exceed the insured amount or which are not covered by insurance.

(p) If the Employer ends up making an insurance claim as a result of the Contractor's breach or non-compliance of an obligation under this Contract, the Contractor shall be liable to pay the Employer's expenses under the Employer's insurance policy, including out-of-pocket expenses, fees, and other costs and expenses.

(q) The review, approval and presentation of opinion by the Employer regarding any insurance purchased by the Contractor do not mean a reduction or exemption of the Contractor's obligations, responsibilities, assurances, warranties, covenants, undertakings or liabilities under this Contract. The Contractor hereby acknowledges and warrants that it has reviewed and purchased its insurances having had regard to its adequacy, effectiveness and suitability vis-à-vis this Contract. The Contractor further acknowledges and agrees that the review, approval and presentation of opinion by the Employer regarding the insurance purchased by the Contractor do not mean a

reduction or exemption of the Contractor's obligations, responsibilities, assurances, warranties, covenants, undertakings or liabilities under this Contract.

(r) The provisions of this Article 16 shall remain valid and effective and survive any expiration, rescission or termination of this Contract.

Article 17 – Force Majeure

Article 17.1 Force Majeure Event

(a) For the purposes of this Article 17, a "**Force Majeure Event**" shall mean an event or circumstance that satisfies each of the conditions below:

KOICA CAMEROUN

the event or circumstance must have been beyond the reasonable control of the Parties;

the event or circumstance was not known or reasonably foreseeable prior to or at the time of concluding this Contract;

the event or circumstance, at the time of occurrence, could not be avoided or overcome with the reasonable efforts of the affected Party; and

the cause of the event or circumstance is not attributable to any Party.

(b) A "**Force Majeure Event**" shall mean any of the following events; provided that the conditions set out in paragraph (a) are all satisfied:

war, foreign or enemy invasion;

uprising, terror, revolution, riot, military action or usurpation or civil war;

violence, strike or lockouts by persons other than the Contractor's personnel (which includes its subcontractors);

explosions, radioactive lakes or contamination the causes of which are not attributable to the Contractor; or

nationwide natural disasters and bad weather, including earthquakes, hurricanes, typhoons, tsunamis and volcanic eruptions.

Article 17.2 **Notice of a Force Majeure Event**

(a) A Party affected by a Force Majeure Event (an "**Affected Party**") shall, without delay, on the day it is affected by or becomes aware of the Force Majeure Event and in any case by no later than seven (7) days of the event notify the other Party of the event and confirm which of its obligations hereunder it is unable to comply with as a result of such event. If the Force Majeure Event is such that even notification is impossible, the affected Party shall provide notice within three (3) days from the date notification becomes possible.

(b) Regardless of the notice delivered under paragraph (a) above, the Affected Party shall continue to comply with all other obligations hereunder other than the obligation(s) of which it has notified as being affected by the Force Majeure Event.

(c) No Force Majeure Event shall affect the Parties' payment obligations owed to each other under this Contract.

(d) Under no circumstance will a Force Majeure Event be construed as reducing a Party's obligations or alleviating a Party from its obligations hereunder.

Article 17.3 **Duty to Minimize Delay**

KOICA CAMEROON

(a) The Parties shall use their reasonable efforts to overcome or minimize any delays to the implementation of the Contract caused by a Force Majeure Event.

(b) An Affected Party who has suspended the Construction Works as a result of any Force Majeure Event shall notify the other Party of the same by no later than seven (7) days from the date of such suspension.

Article 17.4 Consequences of a Force Majeure Event

(a) Where the Contractor is the Affected Party, the Contractor must notify the Employer in accordance with Article 17.2 above. With respect to any delay caused by a Force Majeure Event, the Contractor may request an extension to the Completion Deadline in accordance with Article 18.1 below.

(b) Upon receipt of the Contractor's notice pursuant to Article 17.2, the Employer shall consult with the Contractor regarding an extension to the Completion Deadline. If the Parties are unable to agree on the issue, the Employer, shall in its reasonable discretion, decide whether to extend the Completion Deadline and for how long.

(c) The Contractor shall not be able to assert its rights hereunder differently on the basis that the definition or scope of force majeure, the conditions for extending the completion deadline or payment conditions are wider in any of its subcontracts relating to this Contract, and such difference shall not, in any way, relieve the Contractor of its obligations hereunder or reduce the Contractor's obligations under this Contract.

Article 17.5 Termination for a Force Majeure Event

(a) If the Force Majeure Event continues for 84 consecutive days without insurance coverage making it practically impossible for the Construction Works to be undertaken, the Employer may terminate this Contract by notice to the Contractor. Termination shall become effective seven (7) days after the termination notice reaches the Contractor. In such case, the Contractor shall comply with the procedures set out in Article 14.3 above.

(b) The termination of notice delivered by the Employer in accordance with paragraph (a) above, shall include details of the Construction Works completed by the termination date and the amount to be paid to the Contractor in respect thereof, each as determined by the Employer. The payment to be made to the Contractor shall be determined having regard to the following:

(i) the value of the work undertaken by the Contractor based on the Contract Price and the amount to be paid to the Contractor (excluding any amounts the Employer is entitled to offset or reserve in accordance with the terms hereof);

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

(ii) the cost of machinery or materials brought onto the Site by the Contractor or the cost of machinery or materials to be received by the Contractor for the benefit of the Employer (considered to be assets of the Employer at the time of payment);

(iii) other costs and expense reasonably expended in anticipation of completion of the Construction; and

(iv) reasonable expenses to be incurred in order to return the employees and workers of the Contractor to their pre-deployment locations following termination of this Contract.

Article 18 – Claims, Disputes and Arbitration

Article 18.1 Claims by the Contractor

(a) If the Contractor determines that it has a right to claim an extension of the Completion Deadline or additional costs or such other relief of its obligations under this Contract, it must notify the Employer of its claim, which notice shall include details of the basis of its claim, the relevant provisions of this Contract and details of the claim itself. The Contractor shall notify the Employer without delay on the date on which the cause for the claim arises or on the date the Contractor knew or should have known of such claim and such notice must reach the Employer by no later than twenty-eight (28) days of such date.

(b) Should the Contractor fail to give its notice under paragraph (a) above or neglect to notify the Employer, in each case, within the prescribed timeframe, the Contractor shall no longer be entitled to make a claim against the Employer regarding the relevant matter and the Contractor shall be deemed to have waived any rights of claim in respect thereof. The Employer shall not be liable (including to extend the Completion Deadline or adjust the Contract Price) for any claims not notified by the Contractor.

(c) Even if it is difficult to determine the specific impact an event giving rise to a claim may have on an extension of the Completion Deadline, additional costs or the Contractor's obligations or even if the outcome of the event is unknown because the event is ongoing, the Contractor must notify the Employer of its potential claim within twentyeight (28) days of the date on which the event occurred or on which the Contractor should have known it occurred. Thereafter, the Contractor must provide detailed updates to the Employer every 30 days and must deliver its final notice within twentyeight (28) days of when the impact of the event becomes conclusive.

(d) Should the Contractor fail to give interim notices under paragraph (c) above or neglect to notify the Employer, in each case, within the prescribed timeframe, the Contractor shall no longer be entitled to make a claim against the Employer regarding the relevant matter and the Contractor shall be deemed to have waived any rights of claim in respect thereof. The Employer shall not be liable for any claims not notified by the Contractor, including extension of the Completion Deadline or adjustment of the Contract Price.

KOICA CAMEROON

(e) The Contractor shall retain all documents necessary to evidence its claim and if requested by the Employer, submit the same to the Employer or allow the Employer to access such documents. Upon receipt of the Contractor's notice in accordance with Article 18.1, the Employer may provide to the Contractor its opinions on the preservation of documents or the required documents. The Employer's expression of

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

ıin the
ɜarding
ons.

period
mining

pletion
ɔr shall
Works.
is not
er may

condition that the Contractor will provide documentary evidence to evidence the amount of loss suffered.

(m) The Contractor must use its best efforts to minimize and mitigate the occurrence of any delays to the Construction Works and the incurrence of any additional costs and expense.

Article 18.2 **Mediation of Disputes and Differences of Opinions**

All disputes arising in connection with this Contract must be resolved in accordance with Article 18.3. The Parties shall use their best efforts to amicably settle any disputes.

Article 18.3 **Procedures for Dispute Resolution**

(a) In the event of a dispute, the claiming Party shall notify the other Party of the occurrence of a dispute and such notice shall include the following details:

legal and contractual basis for the claim;

the facts of the claim;

related documents and background information/materials; and (iv) the basis for calculation of the claim amount.

(b) If the Parties are unable to resolve the dispute within sixty (60) days of the notice delivered under paragraph (a) above, a Party may refer the dispute to the Korean Commercial Arbitration Board for settlement by arbitration in accordance with the International Arbitration Rules of the Korean Commercial Arbitration Board.

KOICA CAMEROON

Unless otherwise specified in the Detailed Terms and Conditions, the seat or legal place of the arbitral proceedings shall be Seoul, Republic of Korea and the venue for the arbitral proceedings shall be the offices of the Korean Commercial Arbitration Board.

The language to be used in the arbitral proceedings shall be English, unless the Contractor has an office in Korea, in which case the language to be used shall be Korean.

The number of arbitrators and the process for appointing them shall be agreed by the Parties. If the Parties are unable to reach an agreement, the arbitrators shall be appointed in accordance with the Arbitration Act of Korea.

The Parties agree that an arbitral award will be final and binding upon the Parties and shall be the sole and exclusive remedy between such Parties to the dispute.

(c) The results of the arbitration shall be kept confidential in accordance with Article 1.8 hereof.

(d) Notwithstanding paragraphs (a) through (c), the Parties may separately agree to resolve any dispute through the courts in Korea. Any agreement to do so must be in writing by the Parties.

Article 18.4 Dispute Resolution Procedures and Construction Works

The procedures for dispute resolution set out in Article 18.3 shall not affect the Construction Works or the undertaking thereof.

Article 18.5 Survival of Article 18

The provisions of this Article 18 shall remain valid and effective and survive any expiration, rescission or termination of this Contract.

Article 19 – Miscellaneous

(a) Unless otherwise specified in the Detailed Terms and Conditions, the governing law of this Contract shall be Korea if the Contractor is a citizen or a corporation incorporated in Korea; if not, the governing law shall be the laws of the relevant Recipient Country.

KOICA CAMEROON

(b) The Contractor acknowledges that the import and custom Laws of the Recipient Country will be applicable to all materials, equipment and components it imports to undertake the Construction Works. Further, the Contractor acknowledges that the import and custom Laws of the Recipient Country may include regulations on import permits and hereby confirms that it has fully reviewed and is fully aware of such possibility.

(c) This Contract may be amended, supplemented, modified only in writing with the signature of the authorised signatory(ies) of each Party.

(d) Unless otherwise expressly provided for in this Contract, all guarantees, warranties, obligations, liabilities under this Contract shall remain valid and effective and survive any termination, expiration, rescission of this Contract.

[Attachment]

SPECIAL TERMS AND CONDITIONS OF INTEGRITY PLEDGE

Article 1 (Purpose)

The purpose of these Special Terms and Conditions of Integrity Pledge is to specify matters necessary for the integrity pledge to be incorporated into the general terms and conditions of the contracts for purchase of goods, services, and construction (the "**Contract**") entered into by and between the employee in charge of contracting in the Korea International Cooperation Agency (hereinafter, "**KOICA**") and the other party to the Contract.

Article 2 (Obligation to Comply with Integrity Pledge)

Pursuant to the Employee Code of Conduct of KOICA, KOICA's employees related to contracting (e.g., employees in charge of contracting, supervisors, etc.) shall strictly manage and supervise bidding for, and execution and performance of, the Contract so as to ensure that such contracting procedures will be carried out in a fair and transparent manner in accordance with the procedures provided by applicable laws, and shall neither abuse their dominant position in a transaction to demand or receive any unfair profits such as any forms of money and valuables and/or entertainment, etc. (**including illegal offering of a job position to relatives, etc.**) nor make an unjust demand such as coercing unfair transaction conditions or intervening in business management, etc. Any employee who violates this provision shall take responsibility, being subject to disciplinary measures, etc., in accordance with applicable laws and regulations.

The employees, executives, and agents of all entities (institutions) which participate in the procedures of bidding, winning a bid, and/or execution and performance of the Contract shall neither engage in any unfair trade practices such as a cartel, etc. in the foregoing procedures nor provide any unfair profits such as money and valuables and/or entertainment, etc. (**including illegal offering of a job position to relatives, etc.**) to the related employees and the foreign public officials, etc. as defined in the *Act on Combating Bribery of Foreign Public Officials in International Business Transactions* (hereinafter "**Foreign Public Officials**") and shall submit a "Letter of Undertaking of

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Integrity" which accepts these Special Terms and Conditions of Integrity Pledge, which provide for the restrictions on qualification for participation in bidding and termination of the Contract, etc., in the case of violation of this provision.

An entity which submits an application for bidding or enters into the Contract through the KOICA E-procurement System shall affix the electronic signature on the "Letter of Undertaking of Integrity" on the electronic system, and an entity which submits an application for bidding and enters into the Contract by a non-electronic means shall separately submit to KOICA the "Letter of Undertaking of Integrity (Attachment Form No. 1)" signed by the representative of such entity, which shall constitute part of the Contract.

Article 3 (Restricting Unjust Enterprises from Participating in Bidding and Payment of Security for Tender)

If a bid participant is found to have engaged in an unfair trade practice such as a cartel, etc. to manipulate the bidding price or award the bid to a certain person, such participant shall be subject to the restriction on participating in bidding as follows:

A person who participates in a competitive bidding process and takes the lead in bid rigging for a specific person to be the winning bidder shall not participate in bidding for two (2) years from the date of imposition of the restriction on bidding participation; and

A person who participates in a competitive bidding process and engages in price rigging through prior mutual consultation of the bidding price or engaged in bid rigging for a specific person to be the winning bidder shall not participate in bidding for one (1) year from the date of imposition of the restriction on bidding participation.

In the case a bid participant has engaged in any unfair trade practices including bid rigging, it shall not raise any objection to KOICA's measures including filing a complaint with the Korea Fair Trade Commission in accordance with the *Monopoly Regulation and Fair Trade Act*, in addition to the restrictions specified in Paragraph (1) above.

Any person who provides bribes to related employees and/or Foreign Public Officials in the procedures of bidding, winning a bid, and execution and performance of the Contract may be subject to following sanctions:

To be restricted from participating in bidding for a period one (1) year or more and not more than two (2) years from the date of imposition of the restriction on bidding participation;

To be excluded from the list of entities exempted from payment of security for the tender as specified in Article 36 of the *KOICA Regulations on Procurement and Contracting in Respect of the Foreign Grant Assistance Program* with respect to the bidding held by KOICA for the period of two (2) years from the expiration of the period of restriction on bidding participation; and

To notify to judicial authorities and the Public Procurement Service of the foregoing sanctions.

Any person who receives the imposition of restriction on bidding participation in accordance with the provisions in Paragraphs (1) through (3) above shall neither raise a claim for damages nor file a civil or criminal action with respect to any bidding from which such person is excluded.

Article 4 (Termination, etc.)

Any person who provides bribes to related employees and/or Foreign Public Officials in relation to bidding, winning bid, contract negotiation, and execution and performance of the Contract shall receive any of the following measures with respect to the related contract:

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

The Contract shall be rescinded if the bribery is found after the Contract has been executed but before the commencement of the project; *provided that* this provision may not apply if it is unavoidable to implement the project; or

The Contract shall be rescinded or terminated in whole or in part if the bribery is found after performance of the Contract; *provided that* this provision may not apply if it is unavoidable to implement the project in consideration of the characteristics, progress rate, project scale, and the performance period of the project under the Contract.

The other Party shall not raise any objection, whether civil or criminal, with respect to KOICA's measures in accordance with Subparagraphs 1 and 2 above.

Article 5 (Miscellaneous)

The other Party shall proactively endeavor to establish a code of conduct under which its executives and employees (including its subcontractors) and its agents are prohibited from providing bribes to the related employee or Foreign Public Officials or engaging in unfair trade practices such as forming a cartel, etc. and a bylaw which prohibits any unfavorable treatment against the whistleblowers who have reported misconduct.

[Attachment Form No.1] Letter of Undertaking of Integrity

LETTER OF UNDERTAKING OF INTEGRITY

☐ Contract Name: Above-captioned Construction Contract

With respect to the participation of the above-captioned Construction Contract, our Company, including its executives and employees and its agents, undertakes as follows:

We will not engage in any unfair trade practices which unjustly impede free competition in bidding through engaging in collusion or agreements with other companies with the intent to maintain the bid price or award the bid to a certain person.

We sufficiently understand and will strictly abide by the provisions of the *Act on Combating Bribery of Foreign Public Officials in International Business Transactions* (Established as Act No. 5588; promulgated on December 28, 1998).

We will endeavor to establish a code of conduct under which our executives and employees shall be prohibited from engaging in any unfair trade practices including forming a cartel or offering a bribe (including but not limited to money/valuables and illegal offering of a job position to relatives, etc.) to the KOICA employees in charge of contracting and Foreign Public Officials and a bylaw which prohibits any unfavorable treatment against the whistleblowers who have reported misconduct.

We will not raise an objection against KOICA's following measures if it is found that we have engaged in any unfair trade practices and/or bribery:

We will be restricted from participating in bidding;
KOICA will notify judicial authorities and the Public Procurement Service of the issues;
We will be excluded from the list of entities exempted from payment of security for the tender;

The decision to award the bid will be cancelled; and

The related Contract will be cancelled; the said Contract will be terminated or rescinded in whole or in part.

[Date]

Company Name:

Representative: (seal)

To: Korea International Cooperation Agency

[Attachment Form No. 1-2] Integrity Pledge

Integrity Pledge

In participating in any bids/contracts for construction, goods and/or services invited/ordered by KOICA, the Company/I (i.e., the representative director/agent), the undersigned, and its executives and/or employees, and its subcontractors and their executives and employees (including those who, either directly or indirectly, carry out business with the subcontractors), do hereby undertake the following pursuant to Article 5-2 (Integrity Agreement) of the *Act on Contracts to which the State is A Party*, with deep understanding that "corruption-free and transparent corporate management and fair administration" is the key to the development of society and national competitiveness, and in recognition of stricter enforcement of the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions and sanctions against corrupt companies and nations:

The Company/I will not engage in any unfair trade practices which unjustly impede free competition in bidding (contracting) through engaging in any collusion, arrangement, resolution, or agreement with other companies with the intent to maintain the bid price or award the bid to a certain person.

If the Company/I violate(s) the foregoing, the Company/I will not raise any objection against the restriction on participating in bidding to the Company/me as the bidder who engages in unfair trade practices in accordance with the *Enforcement Decree of the Act on Contracts to which the State is A Party*, and if it is found that the Company/I has/have been engaging in unfair trade practices such as forming a cartel, the Company/I will not raise any objection to KOICA's complaint submitted to the Korea Fair Trade Commission (KFTC) and subsequent administrative fines imposed by KFTC.

The Company/I will not, directly or indirectly, offer any unfair profits such as money and valuables and/or entertainment, etc. (including illegal offering of a job position to relatives, etc.) to the related executives, employees, etc. in the procedures of bidding, winning a bid, contract execution and performing the terms of the contract (including after the construction completion).

If it is found that the Company/I has/have been favored in bidding and consequently entered into the contract through provision of money and valuables and/or entertainment, etc. (including illegal offering of a job position to relatives, etc.) to the related executives and employees in connection with bidding and execution and/or performance of the contract in breach of the above, or to have received accommodation and, as a result, poorly carried out construction or manufacture during the procedures of performance of a contract, the Company/I

will receive the restriction on bid participation as the bidder who engages in unfair trade practices in accordance with the *Enforcement Decree of the Act on Contracts to which the State is A Party*.

If it is found that the Company/I has/have provided money and valuables and/or entertainment, etc.(including illegal offering of a job position to relatives, etc.) to the related executives and employees for the purpose of making the bidding and contract terms favorable to the bidder and/or bid-winner (i.e., the contractor) or making the performance of the contract be of bad quality, the Company/I will receive the restriction on bid participation as the bidder who engages in unfair trade practices in accordance with the *Enforcement Decree of the Act on Contracts to which the State is A Party*.

If it is found that the Company/I has/have provided money and valuables and/or entertainment, etc. (including illegal offering of a job position to relatives, etc.) to the related executives and employees in connection with bidding, and execution and/or performance of the contract, the Company/I will receive the restriction on bid participation as the bidder who engages in unfair trade practices in accordance with the *Enforcement Decree of the Act on Contracts to which the State is A Party*.

If it is found that the Company/I has/have provided money and valuables and/or entertainment, etc. (including illegal offering of a job position to relatives, etc.) to the related executives and employees in connection with bidding, winning a bid, and execution and/or performance of the contract, the Company/I will accept the cancellation of the decision to designate the successful bidder (if it is before execution of the contract), the cancellation of the contract (if it is before performance of the contract), and the termination/rescission of the contract in whole or in part (including compensation for any damages caused thereby) (if it is after the performance of the contract), and will not raise any objection, whether civil or criminal.

If the Company/I violate(s) Paragraph (1) 2 (Matters Related to the Prohibition of any Acts Impeding Fair Competition Such as Engaging in Prior Consultation Regarding the Bidding Price or Forming a Cartel for Awarding Bid to Certain Person) of Article 4-2 (Terms and Conditions of Integrity Agreement and Execution Procedure) of the *Enforcement Decree of the Act on Contracts to which the State is A Party*, it/I will pay for damages as follows:

Bidder: 5/100 of the bidding price; and

The Other Party to the Contract: 10/100 of the contract price

The Company/I hereby will undertake to comply with this Integrity Pledge at all costs as a pledge based on mutual trust; to perform the substance of this Integrity Pledge as it is as the special terms and conditions of the contract upon being selected as the winner (contractor); not to file any claim for damages against KOICA with respect to any measures taken by KOICA including restriction on bidding participation and/or termination of the contract; and not to raise any objection against KOICA, whether civil or criminal, with respect to any bidding from which the Company is excluded.

[date]

Pledger: (Company Name) (Name) Representative (seal)

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

To the President of Korea International Cooperation Agency

Special Conditions of the Contract for International Construction Works

These Special Conditions of the Contract for International Construction Works (the "**Special Conditions**") modify and/or supplement the General Conditions depending on the individual Project and Construction and depending on the individual Project and Construction, may be negotiated with the bidder at the time of advanced disclosure or when a bidder is selected as a preferred bidder.

Article 1 – Modified Terms and Conditions

The following terms and conditions of the General Conditions shall be modified as set out below. To the extent a term or condition of the General Conditions is not mentioned below, such term or condition shall apply without any modification, amendment or adjustment.

Article	General Condition subject to Modification

Article 2 – Supplementation of Terms and Conditions

The following terms and conditions shall supplement the terms and conditions in the General Conditions. To the extent a term or condition of the General Conditions is not mentioned below, such term or condition shall apply without any supplementation, amendment or adjustment.

Article	General Condition subject to Supplementation

KOICA CAMEROON

7.1	If the Laws of the Recipient Country require that the commencement of construction be reported, the Notice of Commencement shall be submitted to the relevant Governmental Authority having jurisdiction under the applicable Laws of the Recipient Country by the applicable deadline as prescribed for in the Detailed Terms and Conditions.

[Annex 1]

Detailed Terms and Conditions

Construction Site Manager	Name, Title, Contact Details, Other Information
Defect Notification Period	
Construction Supervisor	Name, Title, Contact Details, Other Information
Contract Price	
Bid Rate	_____ %
Latent Defects	If not applicable, the special provisions regarding latent defects shall not apply and any liability relating to defects shall be determined in accordance with applicable Laws.
Project Name	
Date of Commencement	YYYY / MM / DD

KOICA CAMEROON

Completion Deadline	**For the whole Construction :** YYYY / MM / DD **For a part of the Construction:** YYYY / MM / DD	
Notice Details	**Employer** Copy to: Title Fax no. Phone no. e-mail	**Contractor** Copy to: Title Fax no. Phone no. e-mail
Date of Site Delivery	YYYY / MM / DD If Site Delivery is in stages:	

Performance Guarantee Amount	__% of the Contract Price Any additional amount to be provided pursuant to Article 4.2(b) of the Contract shall be ___% of the increased Contract Price
Working Hours	The actual working hours of the Contractor's workforce
Liquidated Damages	Whole Construction: KRW_____ / day (or ----% of the Contract Price) In the case of partial completion, consider whether to impose liquidated damages for delay in respect of each milestone and if so, how much
Cap on Liquidated Damages	___% of the Contract Price
Indirect Expenses and Profits of Reserve Funds	Generally, ___% of the relevant amount If no reserve funds, state as "N/A"

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Upper Limit and Deduction Ratio on Reserves	Generally, ___% of the relevant amount If no reserves, state as "N/A"
Security Deposit for Defects	___% of the Contract Price May be exempted if reserves are available
Currency of Contract and Payment	
Default Interest on Outstanding Applicable Payments (Article 12.4)	_____ % per annum
Cap on Liability	The larger of (a) the total amount of insurance coverage purchased by both Parties and (b) the Contract Price
Employer's Insurance	
Contractor's Insurance	Contractor's All Risk Insurance: insurance covering loss and damage to the Construction itself and equipment Third Party Liability Insurance: insurance covering personal injury or property damage to third parties arising in connection with or as a result of the Construction Works Workmen's Compensation Insurance: insurance covering personal injury to the Contractor's workforce arising in connection with or as a result of the Construction Works Marine Cargo Insurance Contractor's Plant and Equipment Insurance including plant and equipment required for operational activities and temporary buildings Motor/Vehicle Insurance Professional Indemnity Insurance

KOICA CAMEROON

Governing Law	
Dispute Resolution	
Documents to be submitted by the Contractor	(When applying for the issuance of a taking over certificate for completion of the Construction) Photos (10"x15") of the front, back and sides of the completed Construction and the original photo files Five (5) copies of the videos (CDs, or other device) showing the Completion Inspection process Completion documents and report which describe in detail the whole construction process (including administrative processes, participation of technicians and other participants) from commencement to completion

[Annex 2]

Status of Construction Site

[Describe the Project, the location and area of the Construction Site that will be accessible pursuant to Article2.1 of the Contract and provide details of relevant boundaries, restrictions or regulations and site facilities to be provided by the Employer.

For example, include (i) a general description of the Site location, its boundaries, the status and purpose of the areas to which access has been granted to the Contractor; (ii) details of access roads that may be used either exclusively or with other users, the date from which they may be accessed, any restrictions on use (i.e. regarding access to a part of the Site or in relation to works (such as stacking or other ground improvement works) completed by other contractors); (iii) information about the surrounding environment of which the Contractor should be aware; (iv) a description of facilities that may be used by the Contractor and the location thereof, and details of costs (such as electricity bills, etc.) and who is responsible for such costs; and (v) such other relevant information.]

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex 3]

Construction Specification

[Insert details of the standards of construction (including general and special specifications) with which the Contractor must comply and the roles and responsibilities of each of the Contractor and the Employer. The following may be considered and included:

General description of the Project and Project background

Description of the Construction and Construction Works

The Employer's intentions for the Project and the objective of the Construction Works

The standards for determining whether the Employer's intentions have been accomplished and satisfied

Design drawings showing the scope of the Construction and Construction Works

Provision of a manual regarding materials and equipment and the Contractor's obligations in respect thereof

Standards for Contract performance

Technical standards with which the Contractor must comply

Requirements of testing, commissioning and inspections

Requirements for quality management

Environmental standards with which the Contractor must comply

LEED standards with which the Contractor must comply

Safety and health standards with which the Contractor must comply

Other applicable Laws with which the Contractor must comply

Other Employer rules, regulations and policies with which the Contractor must comply

Noise and traffic Laws with which the Contractor must comply

Noise pollution and vibration Laws with which the Contractor must comply

Contractor Documents (including completion documents, manuals, technical documents, reports) which the Contractor must provide

Governmental Authorizations which the Employer must obtain

Governmental Authorizations which the Contractor must obtain

Facilities, equipment and materials to be provided by the Employer

The Contractor's services in respect of existing facilities

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

Training to be provided by the Contractor to the Employer

The original meanings of abbreviations should be set out in full; be careful not to include documents that are not related to the Project. If too much information is included in this Annex, it may be difficult to interpret the Contract uniformly, so the name, table of contents, order, date, etc. of the documents to be attached to the Construction Specifications should be set out clearly. See below for an example.

Document title: "Part A: General Specification (Bridges)", Author: "XX Consultants", Date: October 2007, Revision Number: 1;

Document title: "Part B: General Specification (Roads, Infrastructure and Services)", Author: "XX Consultants", Date: September 2007, Revision Number: T1;

Document title: "Part C: General Specification (Marine)", Author: "XX Consultants", Date: September 2007, Revision Number: T1;

Document title: "Part D: Particular Specification, Author: "XX Consultants", Date: September 2007, Revision Number: T1

The documents attached to this Annex must be consistent with the General Conditions and the Special Conditions.]

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex 4]

Design Drawing

[This Annex should include a list of all of the Design Documents that form the basis of the Contract. Details of the documents, such as name, reference number, modification number, date of creation, etc., should be clearly listed and set out.]

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex 5]

Forms of Guarantees

Form of Bank Guarantee for Performance

Form of Bank Guarantee for Advance Payment

Form of Parent Company Guarantee

Form of Legal Opinion

KOICA CAMEROON

BANK GUARANTEE FOR PERFORMANCE

[*Name of Bank*]

Date: [*Date of Issuance*]

To: [*KOICA*]

Dear [*KOICA*]

[*Name of Contract*] Construction Contract - Bank Guarantee for Performance

You entered into a contract dated [*Insert date of Contract*] with [*Insert name of Contractor*] ("Contractor") titled [*Insert Name of Contract*] Construction Contract for the [*Insert name of Project*] for certain works and services ("Works") to be undertaken by the Contractor ("Contract").

We, [*Insert full name of Bank*], irrevocably and unconditionally undertake with you that whenever you give written notice to us stating that in your sole and absolute judgment the Contractor has failed to observe or perform any of the terms, conditions or provisions of the Contract on its part to be observed or performed, we will, notwithstanding any objection which may be made by the Contractor and without any right of setoff or counterclaim, immediately pay to you or as you may direct such an amount as you may in such notice require not exceeding the sum equivalent to [*Insert percentage*]% of the Contract Price ("Guaranteed Sum").

This Bank Guarantee for Performance ("Guarantee") is valid and will continue to be valid from the date of this letter for the Guaranteed Sum and will reduce to [*Insert rate of defect liability warrant rate*]% of the Contract Price upon the issue of the final taking over certificate. This Guarantee will automatically become null and void on the issue of the final completion certificate or, if a dispute arises under the Contract, after the final determination of that dispute, whichever occurs later.

Any payment by us in accordance with this Guarantee must be in immediately available and freely transferable [*currency (KRW or USD)*] free and clear of and without any deduction for or on account of any present or future taxes, levies, imposts, duties, charges, fees, set off, counterclaims, deductions or withholdings of any nature whatsoever and by whomever imposed.

Our obligations under this Guarantee constitute direct primary, irrevocable and unconditional obligations, do not require any previous notice to or claim against the Contractor and will not be discharged or otherwise prejudiced or adversely affected by any:

time, lenience or tolerance which you may grant to the Contractor;

amendment, modification or extension which may be made to the Contract or the Construction Works executed under the Contract;

KOREA INTERNATIONAL COOPERATION AGENCY
CAMEROON

intermediate payment or other fulfilment made by us;

change in the constitution or organization of the Contractor; or

other matter or thing which in the absence of this provision would or might have that effect, except a discharge or amendment expressly made or agreed to by you in writing.

This Guarantee may not be assigned by you to any person, firm or company other than an Affiliate, without our prior written consent, which must not be unreasonably withheld. You must notify us in writing of any assignment, after which we must make any payment claimed under this Guarantee to the person, firm or company specified in the notice which will constitute a full and valid release by us in relation to that payment.

Any notice required by this Guarantee is deemed to be given when delivered (in the case of personal delivery) or forty-eight (48) hours after being despatched by prepaid registered post or recorded delivery (in the case of letter) or as otherwise advised by and between the parties.

We agree that part of the Contract may be amended, renewed, extended, modified, compromised, released or discharged by mutual agreement between you and the Contractor, and this security may be exchanged or surrendered without in any way impairing or affecting our abilities under this Guarantee without notice to us and without the necessity of any additional endorsement, consent or guarantee by us, provided, however, that the Guaranteed Sum does not increase or decrease.

No action, event or condition which by any applicable law may operate to free us from liability under this Guarantee will have any effect. We waive any right we may have to apply such law so that in all respects our liability under this Guarantee will be irrevocable and, except as stated in this Guarantee, unconditional in all respects.

Capitalized words and phrases used within this Guarantee have the same meanings as are given to them in the Contract.

This Guarantee is governed by the Uniform Rules for Demand Guarantees, ICC Publication No. 758, provided that the supporting statement under Article 15 (a), and Articles 34 and 35 are excluded. Any disputes arising out or in connection with this Guarantee, or the breach, termination, or invalidity thereof will be referred to and finally resolved by arbitration in accordance with the UNCITRAL Arbitration Rules then in effect, the language of the proceedings being English.

Nothing in or relating to this Guarantee shall be deemed a waiver, express or implied, of any of the privileges and immunities of [*KOICA*], which are hereby expressly reserved.

IN WITNESS of which the [*Insert full name of Bank*] has duly executed this Guarantee on the date stated above.

SIGNED by [*insert*])
as attorney for [*insert*]) under power of attorney dated) [*insert*]) in the
presence of)

KOICA CAMEROON

)

…….) Signature of witness)

)

…….) Name of witness (block letters))

)

…….) Address of witness)

)

…….) Occupation of witness

…… By executing this agreement the attorney states that the attorney has received no notice of revocation of the power of attorney

Address for notices

[*insert address*]

BANK GUARANTEE FOR ADVANCE PAYMENT

[*Name of Bank*]

Date: [*Date of Issuance*]

To: [*KOICA*]

Dear [*KOICA*]

[*Name of Contract*] Construction Contract – Bank Guarantee for Advance Payment

You entered into a contract dated [*Insert date of Contract*] with [*Insert name of Contractor*] ("Contractor") titled [*Insert Name of Contract*] Construction Contract for the [*Insert name of Project*] for certain works and services ("Works") to be undertaken by the Contractor ("Contract").

In consideration of your paying the sum of [*Insert amount*] as an advance payment to the Contractor under the Contract ("Advance Payment") we, [*Insert full name of Bank*], irrevocably and unconditionally undertake with you that whenever you give written notice to us stating that in your sole and absolute judgment the Contractor has failed to observe or perform any of the terms, conditions or provisions of the Contract on its part to be observed or performed, we shall, notwithstanding any objection which may be made by the Contractor and without any right of set-off or counterclaim,

immediately pay to you or as you may direct such an amount as you may in such notice require not exceeding [*Insert amount*] ("Guaranteed Sum").

This Bank Guarantee for advance payment ("Guarantee") is valid and will continue to be valid from the date of this letter for the Guaranteed Sum. For each of the interim payments after the advance payment is made, that are made by you to the Contractor, the proportion of the Guaranteed Sum that is payable to you will be reduced by [*Insert rate of deduction*].

This Guarantee will automatically become null and void upon us receiving from you certification that the Guaranteed Sum has been fully repaid by the Contractor.

Any payment by us to you in accordance with this Guarantee must be in immediately available and freely transferable [*Insert currency*] free and clear of and without any deduction for or on account of any present or future taxes, levies, imposts, duties, charges, fees, set off, counterclaims, deductions or withholdings of any nature whatsoever and by whomever imposed.

Our obligations under this Guarantee constitute direct primary, irrevocable and unconditional obligations. Additionally, our obligations do not require any previous notice to be given to the Contractor and do not require that any claim be made

against the Contractor. Further, our obligations will not be discharged and will not be otherwise prejudiced or adversely affected by any:

- time, lenience or tolerance which you may grant to the Contractor;
- amendment, modification or extension which may be made to the Contract or the Works performed under the Contract;
- intermediate payment or other fulfilment made by us;
- change in the constitution or organization of the Contractor; or
- other matter or thing which in the absence of this provision would or might have that effect, except a discharge or amendment expressly made or agreed to by you in writing.

This Guarantee may not be assigned by you to any person, firm or company other than an Affiliate, without our prior written consent, which must not be unreasonably withheld. You must notify us in writing of any assignment, after which we must make any payment claimed under this Guarantee to the person, firm or company specified in the notice which will constitute a full and valid release by us in relation to that payment.

Any notice required by this Guarantee is deemed to be given when delivered (in the case of personal delivery) or forty-eight (48) hours after being despatched by prepaid registered post or recorded delivery (in the case of letter) or as otherwise advised by and between the parties.

KOICA CAMEROON

We agree that part of the Contract may be amended, renewed, extended, modified, compromised, released or discharged by mutual agreement between you and the Contractor, and this security may be exchanged or surrendered without in any way impairing or affecting our abilities under this Guarantee without notice to us and without the necessity of any additional endorsement, consent or guarantee by us, provided, however, that the Guaranteed Sum does not increase.

No action, event or condition which by any applicable law may operate to free us from liability under this Guarantee will have any effect. We waive any right we may have to apply such law so that in all respects our liability under this Guarantee will be irrevocable and, except as stated in this Guarantee, unconditional in all respects.

Capitalized words and phrases used within this Guarantee have the same meanings as are given to them in the Contract.

This Guarantee is governed by the Uniform Rules for Demand Guarantees, ICC Publication No. 758, provided that the supporting statement under Article 15 (a), and Articles 34 and 35 are excluded. Any disputes arising out or in connection with this Guarantee, or the breach, termination, or invalidity thereof will be referred to and finally resolved by arbitration in accordance with the UNCITRAL Arbitration Rules then in effect, the language of the proceedings being English.

Nothing in or relating to this Guarantee shall be deemed a waiver, express or implied, of any of the privileges and immunities of [*KOICA*] which are hereby expressly reserved.

IN WITNESS of which the [*Insert full name of Bank*] has duly executed this Guarantee on the date stated above.

SIGNED by [*insert*])
as attorney for [*insert*]) under power of attorney dated) [*insert*]) in the
presence of)
)
…….) Signature of witness)
)
…….) Name of witness (block letters))
)
…….) Address of witness)
)
…….) Occupation of witness

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

By executing this agreement the attorney states that the attorney has received no notice of revocation of the power of attorney

Address for notices

[*insert address*]

FORM OF PARENT COMPANY GUARANTEE

[*Name of Parent Company*]

Date: [*Date of Issuance*]

To: [*KOICA*]

Dear [*KOICA*]

[*Name of Contract*]] Construction Contract - Parent Company Guarantee

You entered into a contract dated [*Insert date of Contract*] with [*Insert name of Contractor*] ("Contractor") titled [*Insert Name of Contract*] Construction Contract for the [*Insert name of Project*] for certain works and services ("Works") to be undertaken by the Contractor ("Contract").

The Contractor has agreed to procure the provision of a parent company guarantee ("Guarantee") from [*Insert name of Parent Company*] ("Guarantor").

The Guarantor guarantees to the Employer that the Contractor will perform, carry out, execute and discharge the duties, responsibilities and obligations (including contingent obligations and obligations to pay money) of the Contractor in connection with the Contract.

In the event that the Contractor fails to perform, carry out, execute and discharge any of the duties, responsibilities, obligations (including any contingent obligations and any obligations to pay money) and liabilities of the Contractor in connection with the Contract ("Default/s"), the Guarantor must, on demand from the Employer:

(a) perform, carry out and discharge in accordance with the Contract, the duties, responsibilities and obligations (including contingent obligations and obligations to pay money) the subject of the Default/s; and (b) indemnify the Employer with respect to all damages, losses, costs, charges and expenses suffered by the Employer with respect to the Default/s to the extent to which the Contactor is liable to the Employer and the Employer has a right of recovery against the Contractor pursuant to the Contract.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

Notwithstanding any provision in this Guarantee to the contrary, the Guarantor will have the full benefit of all defenses, set-offs, counterclaims, reduction, diminution or limitations of liability available to the Contractor pursuant to or arising from the Contract.

If a law requires the Guarantor to deduct:

an amount in respect of any taxes, levies, imposts, charges and duties imposed by any authority (including stamp and transaction duties) ("Taxes"); or
any interest, penalties, fines and expenses in connection with the Taxes
from a payment due under this Guarantee with the result that the Employer would not actually receive on the due date the full amount provided for under the Contract, the Guarantor must pay an additional amount so that the Employer receives from the Guarantor the full amount the Employer would have received on the due date if no deductions had been required.

The provisions of this Guarantee will remain in full force and effect, even if:

the Contract is varied, modified, changed or prematurely terminated; or
the Contractor and/or the Employer is or may be in breach of the Contract.

This Guarantee will expire on the earlier of 10 years after the date of the final taking over certificate issued pursuant to the Contract or when all obligations and liabilities of the Contractor under the Contract have been carried out, completed and discharged in accordance with the Contract.

This Guarantee neither forms part of the Contract nor affects the provisions of the Contract.

The Guarantor acknowledges that the Employer is acting in reliance on the Guarantor incurring obligations and giving rights under this Guarantee.

The Guarantor acknowledges that the Employer is acting in reliance on the Guarantor incurring obligations and giving rights under this Guarantee.

Any disputes arising out or in connection with this Guarantee, or the breach, termination, or invalidity thereof will be referred to and finally resolved by arbitration in accordance with the UNCITRAL Arbitration Rules then in effect, the language of the proceedings being English.

Each person executing this Guarantee states that he or she has authority to represent and bind the Guarantor.

IN WITNESS of which the [*insert name of Parent Company*] has duly executed this Guarantee on the date stated above.

SIGNED by [*insert*])
as attorney for [*insert*]) under power of attorney dated) [*insert*]) in the
presence of)

)

.....) Signature of witness)

)

.....) Name of witness (block letters))

)

.....) Address of witness)

)

.....) Occupation of witness

By executing this agreement the attorney states that the attorney has received no notice of revocation of the power of attorney

Address for notices

[*insert address*]

Company

[*Insert name of Parent Company*]

Documents

[*Attached Documents*]

Form of opinion text

On the basis of the assumptions and subject to the qualifications set out in this opinion, we are of the opinion that:

the Company is incorporated and validly existing under the laws of [insert country of incorporation] and is capable of suing and being sued in its corporate name;

the company has:

the corporate power to enter into each Document and to observe its obligations under them; and

taken all corporate action required on its part to authorize the execution, delivery and observance of each document;

KOICA CAMEROON

the obligations of the Company under each document are valid, binding and enforceable in accordance with its terms;

the execution and delivery by or on behalf of the Company of each document and the observance by the company of its obligations under them has not violated and will not contravene:

any law in force in [*insert relevant opinion country*] applicable to companies or transactions generally; or

any stock exchange rules and regulations of [*insert relevant opinion country*]; or

its constitution;

each authorisation necessary under the laws in force in [insert relevant opinion country] applicable to companies generally for the company to enter into each Document and observe obligations under them has been obtained;

the Documents are in proper form for enforcement in the appropriate courts of [*insert relevant opinion country*];

claims against the Company under each document will rank at least equally with the claims of all its unsecured and unsubordinated creditors (other than creditors mandatorily preferred by law);

the Company does not enjoy any immunity from suit in [*insert relevant opinion country*] nor are its assets exempt from execution;

KOICA CAMEROON

[Annex
6]

Details of Contract Price

[This Annex should provide details of any provisional sum based on the total Contract Price. The unit price and rates set out in this Annex will form the basis of any adjustments to the Contract Price. To the extent incentives will be payable for early completion of the Construction, details of such incentives should also be included here.]

Contract Price

The Contract Price is the lump sum price of [*Insert Contract Price in figures and words (e.g. USD 1,300,000 (one million three hundred thousand US Dollars)*].

Provisional Sum Items

The Provisional Sum items are set out in section [*insert*] of [*insert name of relevant document*].

Each Provisional Sum shall only be used, in whole or in part, and the Contractor will only be entitled to payment for a Provisional Sum, in accordance with Article 11.7 of the Contract and the Contract Price shall be adjusted accordingly.

Adjustments for Changes in Cost

[Unless the Laws of the Recipient Country mandatorily require the adjustment of the Contract Price upon the occurrence of price fluctuations, the right to adjust the Contract Price for price fluctuations should be excluded. Consider using one of the following.

(i) The Contract Price shall not be adjusted for changes (increases or decreases) in the cost of labor or materials; (ii) the Contract Price shall not be adjusted for any increase or decrease in the actual expenditure of the Contractor; (iii) Adjustments to the Contract Price for price fluctuations shall be based on the following formula only. If no objective criterion or standard exists for applying the following formula, adjustment of the Contract Price for price fluctuation shall not be valid under this Contract.]

$$Pn = a + b\,Ln/Lo + c\,En/Eo + d\,Mn/Mo + \cdots\cdots$$

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

period "n", this period being [a month];

"a" is a fixed coefficient, stated in the relevant table of adjustment data, representing the non-adjustable portion in contractual payments;

"b", "c", "d", ... are coefficients representing the estimated proportion of each cost element related to the execution of the Works, as stated in the relevant table of adjustment data; such tabulated cost elements may be indicative of resources such as labour, equipment and materials;

"Ln", "En", "Mn", ... are the current cost indices or reference prices for period "n", expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the date 49 days prior to the last day of the period (to which the particular Payment Certificate relates); and

"Lo", "Eo", "Mo", ... are the base cost indices or reference prices, expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the Date of the Contract.

In cases where the "currency of index" (stated in the table) is not the relevant currency of payment, each index shall be converted into the relevant currency of payment at the selling rate, established by the central bank of the Country, of this relevant currency on the above date for which the index is required to be applicable.

The weightings (coefficients) for each of the factors of cost stated in the table(s) of adjustment data shall only be adjusted if they have been rendered unreasonable, unbalanced or inapplicable, as a result of Variations.]

Table of adjustment data:

Coefficient; Scope of index	Country of origin; Currency of index	Source of index; Title/definition	Value on stated date(s)	
			Value	Date
a =				
b =				
c =				
d =				
e =				

7]

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex

Contract Price Payment Schedule and Method

[This Annex stipulates the timing and method of paying the Contract Price. The Annex does not contemplate the early payment of the Contract Price due to the pre-ordering of materials, etc.]

Consider the following two options for dealing with payment of the advance payment amount.

Either (i) pay the advance payment amount in accordance with Article 12.2 of the General Conditions, or (ii) do not require the payment of an advance payment.

Consider the following two options for dealing with payments for completed parts.

Either (i) allow the Contractor to make demands for payment in accordance with Article 12.3 of the General Conditions on a monthly basis, or (ii) require the Contractor to make demands for payment upon the achievement of certain milestones (in this case, the milestones will also need to be specified).

With respect to payments regarding equipment or materials, consider having the Contractor make demands for the same (i) as part of payments for completed parts, or (ii) when the relevant equipment or material is brought onto the Construction Site.

If equipment or materials need to be pre-ordered, consider having the Employer pay a significant percentage of the Contract Price when the relevant equipment or materials are shipped in consideration of the delivery conditions of the goods.

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex
8]

Detailed Construction Schedule

Approved Preliminary Program

Milestone Dates

Contract Program Requirements

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON

[Annex 9]

Key Contractor Personnel

[Insert details of key Contractor Personnel involved in the Project and the Construction Works]

Key Contractor Personnel for the Project are:

No.	Position Description	Name
	[*for example: Safety Manager, Quality control Manager, Environmental Manager, Site Manager, Site Foreman*]	
1.	[insert position description]	[insert name]
2.	[insert position description]	[insert name]
3.	[insert position description]	[insert name]
4.	[insert position description]	[insert name]
5.	[insert position description]	[insert name]
6.	[insert position description]	[insert name]
7.	[insert position description]	[insert name]
8.	[insert position description]	[insert name]
9.	[insert position description]	[insert name]
10.	[insert position description]	[insert name]

If there is a position stated in this Annex but no person is named in that particular role, then the Contractor shall obtain the Employer's Construction Supervisor's approval before appointing a person to fill that role.

KOREA INTERNATIONAL COOPERATION AGENCY KOICA CAMEROON

[Annex

KOREA INTERNATIONAL COOPERATION AGENCY
KOICA
CAMEROON