REPUBLIQUE DU CAMEROUN
Paix – Travail – Patrie
……
MINISTERE DE LA DECENTRALISATION
DECENTRALISATION ET DEVELOPPEMENT LOCALE
……
REGION DU NORD OUEST

DEPARTMENT DE LA MENCHUM
……
COMMUNE DE FURU-AWA

REPUBLIC OF CAMEROON
Peace – Work – Fatherland
……
MINISTRY OF
AND LOCAL DEVELOPMENT
……
NORTH WEST REGION

MENCHUM DIVISION
……
FURU-AWA COUNCIL

PROCUREMENT OF SMALL WORKS

Furu-Awa Council internal tenders board

Request for Quotations

No. 001/002/003//RFQ/FAC/FA CITB/MINDDEVEL/PROLOG/NWR/2025 OF 15/10/2025 FOR THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGES, FURU-AWA COUNCIL, MENCHUM DIVISION NORTH WEST REGION.

Project Name: Local Governance and Resilient Communities Project (PROLOG)

Project Owner: Mayor of Furu -Awa Council

Country: Cameroon

Funding: IDA No. 72130-CM

STEP Contract Reference No.:

Issued on:

Re 30/10/2025

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FURU-AWA COUNCIL

FURU -AWA COUNCIL INTERNAL TENDERS BOARD

NO. 001/002/003/RFQ/FAC/FACITB/MINDDEVEL/PROLOG/NWR/2025 OF 15/10/2025

FOR THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGE, FURU-AWA COUNCIL, MENCHUM DIVISION NORTH WEST REGION.

Dear Sir/Madam,

Request for Quotation (RFQ)

1. The Government of the Republic of Cameroon has obtained from the World Bank, IDA Credit Agreement No. 72130 - CM to finance the cost of the LOCAL GOVERNANCE AND RESILIENT COMMUNITIES PROJECT (PROLOG) and intends to use a portion of the amount of this credit to make the authorized payments under the Contract for which this Request for Quotations is published.

2. The execution of the said project includes **THE ELECTRIFICATION WORKS WITH SOLAR STREETLIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGES, FURU-AWA COUNCIL,MENCHUM DIVISION NORTH WESTREGION.**

3. The Mayor of the Furu-Awa Council now invites Contractors to submit their Quotations for the Works. To this end, the Furu-Awa Council intends to use part of the sums granted under this agreement to make the payments provided for under the contract relating to **THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN FURU-AWA COUNCIL AREA, MENCHUM DIVISION OF THE NORTH WEST REGION**

4. The execution period for the works is **TWO (02) months.**

Fraud and Corruption

1. The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Appendix A to the Contract Conditions.

2. In further pursuance of this policy, Contractors shall permit and shall cause their agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to permit the Bank to inspect all accounts, records and other documents relating to the RFQ and Contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

Eligible Materials, Equipment and Services

The materials, equipment and services to be supplied under the Contract and financed by the Bank may have their origin in any country subject to Para. 9. At the Employer's request, Contractors may be required to provide evidence of the origin of materials, equipment and services.

Eligible Contractors

6. In case the Contractor is a joint venture (JV), all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Request for Quotations process and, in the event the JV is awarded the Contract, during contract execution.

7. A Contractor may have the nationality of any country, subject to the restrictions pursuant to paras. 8 and 9 hereinafter. A Contractor shall be deemed to have the nationality of a country if the Contractor is constituted, incorporated or registered in, and operates in conformity with, the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or sub consultants for any part of the Contract including Related Services.

8. Firms and individuals may be ineligible if so indicated in para.9 below and:

(a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or

(b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.

9. In reference to paras. 5 and 7, for the information of Contractors, at the present time firms, goods and services from the following countries are excluded from this procurement process:

(a) Under para. 5 and 8 (a): *[insert a list of the countries following approval by the Bank to apply the* restriction *or state "none"].*

(b) Under para. 5 and 8 (b): *[insert a list of the countries following approval by the Bank to apply the restriction or state "none"]*

10. A Contractor that has been sanctioned by the Bank, pursuant to the Bank's Anticorruption Guidelines, in accordance with its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework as described in the appendix to the Contract Conditions (Appendix A) paragraph 2.2 d., shall be ineligible to submit Quotations or be awarded or otherwise benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. A list of debarred firms and individuals is available on the Bank's external website: http://www.worldbank.org/debarr.

11. Contractors that are state-owned enterprises or institutions in the Employer's country may be eligible to compete and be awarded a Contract(s) only if they can establish, in a manner acceptable to the Bank, that they:

(a) are legally and financially autonomous;

(b) operate under commercial law; and

(c) Are not under supervision of the Employer.

12. A Contractor shall not have a conflict of interest. Any Contractor found to have a conflict of interest shall be disqualified. A Contractor may be considered to have a conflict of interest for the purpose of this Request for Quotations process, if the Contractor:

(a) directly or indirectly controls, is controlled by or is under common control with another Contractor that submitted a Quotation;

(b) receives or has received any direct or indirect subsidy from another Contractor that submitted a Quotation;

(c) has the same legal representative as another Contractor that submitted a Quotation;

(d) has a relationship with another Contractor that submitted a Quotation, directly or through common third parties, that puts it in a position to influence the Quotation of another Contractor, or influence the decisions of the Employer regarding this Request for Quotations process; or

(e) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the Request for Quotations process; or

(f) or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower for implementing the Contract; or

(g) would be providing goods, works, or non-consulting services resulting from, or directly related to consulting services for the preparation or implementation of the project specified in this Request for Quotations, that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or

(h) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the Request for Quotations or specifications and/or the evaluation of Quotations, of the subject Contract; or (ii) would be involved in the implementation or supervision of such Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the Request for Quotations process and execution of the Contract.

Performance Security

13. Tenders will not be accompanied by a bid guarantee issued by a first-class bank or a Non-banking establishment approved by the Ministry of Finance. However, a guarantee retention of 10% of the total cost of the project is required.

Validity of Quotations

14 Quotations will be valid for up to ninety (90) calendar days after the opening of the bids.

Price

15. The contractor must indicate the total price in the form entitled "Contractor Quotation"

16. The Contractor shall also fill in its rates and prices for all items of the Works described in the attached Bill of Quantities. Items against which no rate or price is entered by the Contractor will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.

The rates and prices shall include all duties, taxes, and other levies payable by the Contractor under the Contract, as of the date 7 (seven) days prior to the deadline for submission of quotations

Option 2- Lump-Sum contracts

16. *The Contractor shall also fill in a breakdown of its lump-sum price in the attached Activity Schedules.*

The quoted price shall include all duties, taxes, and other levies payable by the Contractor under the Contract, as of the date 7 (seven) days prior to the deadline for submission of quotations.]

17. A Contractor expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer's Country and wishing to be paid accordingly, shall indicate a foreign currency of its choice in addition to the local currency in: _____ ***[insert the local currency].***

18. The currency(ies) of the Quotation and the currency(ies) of payments shall be the same.

Technical proposal

19. The Contractor shall furnish a technical proposal including a statement of work methods, equipment, personnel, schedule and any other relevant information, in sufficient detail to demonstrate the adequacy of its proposal to meet the work's requirements and the completion time.

<u>For administrative files</u>:

The Tenderer must enclose the following documents with its tender in accordance with Cameroonian legislation

- Undertaking by bidder stamped, signed, and dated in conformity with the model attached
- An attestation of non-bankruptcy issued by the court
- An attestation of fiscal conformity valid less than three months
- Certificated of non-exclusion from public contract
- CNPS certificate dates less than three months
- Attestation of Bank account of the bidder issued by a bank, or any other first-order credit institution approved by the Ministry in charge of finance
- Attestation of taxpayer's registration (NIU)

- An Attestation of categorization of the Contractor
- Site visit certificate and report signed on honor by the tenderer
- A grouping agreement signed by a notary will be required in the case of a grouping.

All of the above documents must be in order, dated and signed by the competent authorities and dated within the last three (03) months. Except:

- ***CCTP dully initialled on each page, signed and dated on the last page by the Enterprise***

In the case of a grouped application, each of the documents required above must be submitted by each member of the group, with the exception of the receipt, which will be submitted by the Mandated only.

Note: It should be noted that the administrative documents mentioned above must be less than three (03) months old and be produced in originals or certified copies by the competent issuing authority. The absence of all or some of the above documents will not result in the rejection of the tender at the time of evaluation. However, they will be required when the Contract is awarded.

Clarifications

20. Any clarification request regarding this RFQ may be sent in writing to *[insert: name and email address of Employer's representative]* before *[insert date and time]*. The Employer will forward copies of its response to all Contractors including a description of the inquiry but without identifying its source.

Submission of Quotations

Invited eligible Bidders may obtain further information from Furu-Awa **COUNCIL Building, Cell Phone : 676488672/654984446 PO BOX ;** and inspect the bidding document during office hours, Monday to Friday between 9am and 3pm (GMT+1).

As soon as the invitation to tender is published, the contract award documents (tender's file) will be made available to all bidders, either at their request to the Furu-Awa **Council** or the **PROLOG PMU/RCU** or via the internet link indicated in the invitation to tender.

The RFQ document is FREE thus, No receipt of payment is needed.

Tenders must be delivered to the **Furu-Awa Council, Cell Phone : +237676488672/654984446 PO BOX :**

… .....located in Furu-Awa town , no later than 07/11/2025 at 10: am, in seven (07) copies (including one (01) original and six (06) copies plus a USB key containing the digital PDF and editable version) in sealed envelopes marked :

"Request for quotations Notice No.001/002/003__/RFQ/FAC/FACITB/MINDDEVE/PROLOG/NWR/202 OF 07/11/2025 FOR THE ELECTRIFICATION USING SOLAR STREET LIGHTS IN FURU- AW/ COUNCIL AREA, MENCHUM DIVISION OF THE NORTH WEST REGION. NOT TO BE OPENED UNTIL THE COUNTING SESSION"

Submission of tenders by electronic means will not be permited. Any tender arriving after the deadline for submission of tenders will be rejected. Tenders will be opened in the presence of the tenderers' representatives at the above-mentioned address, the 0 7 /11/2025 at 11:am in **the conference room of the Furu-Awa Council's Internal Tender's Board.**

21. The deadline for submission of Quotations is (*10: am 07/ November 2025) day, month, year*].

22. The address for submission of Quotations is:

Attention: *[insert full name of person, if applicable]*

E-mail address: **or link to e-procurement system**

Opening of Quotations

24. Quotations will be opened by the **Furu-Awa council internal tenders board** immediately after the deadline for the submission of Quotations.

Evaluation of Quotations

23. Quotations will be evaluated to ensure the technical proposal's compliance.

□ Verification that the Quotation Letter is properly completed, dated, and signed with the signatory's name and title;

□ Verification that the Unit Price Schedule and the Quantitative and Descriptive Quote are duly completed, dated, and signed;

□ Evaluation of the technical qualification of each admissible bid according to the bid evaluation grid;
[Insert the following if there are multiple lots: "Quotations will be evaluated lot-wise, taking into account discounts offered, if any, after considering all possible combination of lots".

EVALUATION GRID

N°	Description	NOTATION
1	Presentation of the offer	

	Compliance with the order prescribed in the RFQ with separators	Yes/no
	Readability and numbering	Yes/no
2	**References in similar projects**	
	List of references for the last 7 years (dates)	Yes/no
	Provided with at least 2 references of similar works completed (provided by the first and last page of the contract + acceptance report or certificate of completion)	Yes/no
3	Quality of staff	
	Works director	
	Diploma (industrial engineering or electrical engineering with training in renewable energies (Bac+3)) dated and signed	Yes/no
	Project Manager's CV, dated and signed	Yes/no
	Seniority ≥ 3 years of experience in a similar field	Yes/no
	Foreman	
	Diploma (Industrial Engineering Technician or Electrical Engineering Technician or with proof of training in renewable energies (Bac+2)) dated and signed	Yes/no
	Curriculum Vitae of the Construction Manager, dated and signed	Yes/no
	Seniority ≥ 2 years of experience in a similar field	Yes/no
4	**Construction Equipment**	
	List of small equipment consistent with the tasks (produce photocopies of purchase invoices or rental invoices)	Yes/no
5	**Methodology for carrying out the work**	
	Detailed technical note concerning the organization of the work	Yes/no
	Description of socio-environmental protection rules (environmental protection, safety, health, and hygiene of site personnel)	Yes/no
	Detailed work schedule with deadlines ≤ ninety (90) days	Yes/no
6	Special technical clauses booklet, initialed on each page, dated and signed on the last page	Yes/no
7	Environmental and social clauses booklet, initialed on each page, dated and signed on the last page	Yes/no

8	Special administrative clauses booklet, initialed on each page, dated and signed on the last page	Yes/no
	Total yes	..... /17

NB: Only bids with a total of 14 out of 17 yes votes will be accepted for the next stage of the procedure.

- Verification of arithmetic operations, multiplying unit prices by quantities where applicable and using the price in words to make any necessary corrections;
- Preparation of a summary table of quotations based on the amounts corrected for any arithmetic errors, listed in ascending order.

For the purposes of evaluation and comparison, the currency(ies) of the quotations must be converted into the same currency. The currency to be used for comparison purposes to convert the proposed prices, expressed in various currencies, into the comparison currency at the selling exchange rate will be the following: CFA franc (XAF). The source of the exchange rate is the Bank of Central African States (BEAC). The exchange rate date is: twenty-eight (28) days before the date of submission of offers. (NB: If the reference currency is not quoted on this date, the exchange rate will be that of the last previous day quoted.).

. For technically compliant Quotations, the total evaluated prices, excluding provisional sums and any provision for contingencies, but including work in-house when their prices are established competitively, will then be compared to determine the lowest evaluated price(s).

Contract Award

[Select either of the two options below]

[Option 1- For Single Lot

28. The Contract will be awarded to the Contractor who meets the eligibility requirements in accordance with the RFQ, offers the lowest evaluated price/s, offers a technically compliant quotation, and guarantees completion of the Works by the specified date.

[Option 2- For Multiple Lots

28. The contracts will be awarded to the Contractor or Contractors meeting the eligibility requirements in accordance with the RFQ, offering a technically compliant quotation, guaranteeing completion of the Works by the specified date and offering the lowest evaluated price to the Employer for combined lots."]

29. The Employer shall invite by the quickest mean *[e.g. e-mail]* the successful Contractor/s for any discussion *[this is expected to be virtual in light of the emergency situation]* that may be needed to conclude the contract or otherwise for contract signature.

30. The Employer shall communicate by the quickest means with the other Contractors on its contract award decision. An unsuccessful Contractor may request clarifications as to why its quotation was not determined to be successful. The Employer will address this request within a reasonable time.

31. The Employer shall publish a contract award notice on its website with free access, if available, or in a newspaper of national circulation or UNDB online, within 15 (fifteen) days after award of contract. The information shall include the name of the successful Contractor, the Contract Price, the Contract duration, summary of its scope and the names of the Contractors and their quoted and evaluated prices.

On behalf of the Employer:

Signature:

Name:

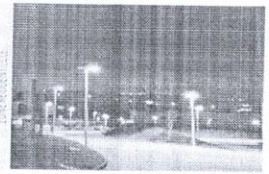
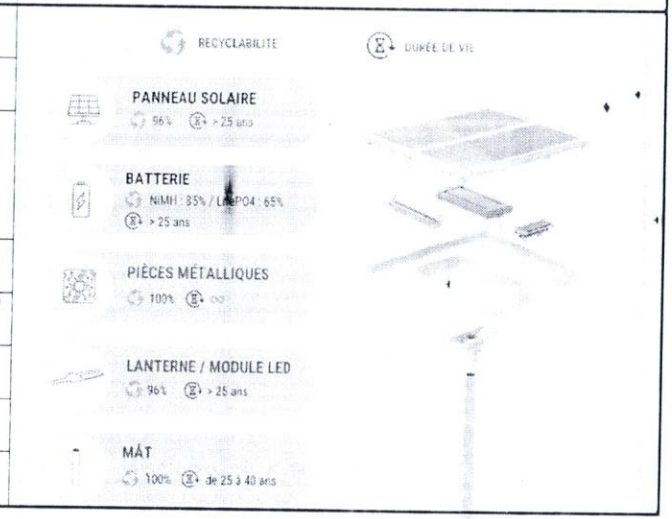
Title/position:

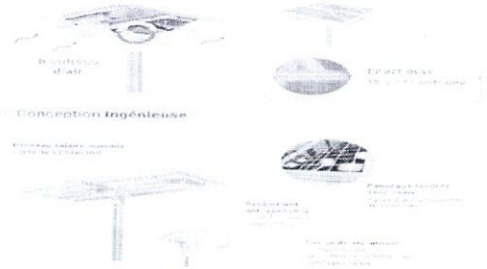
Attachments:

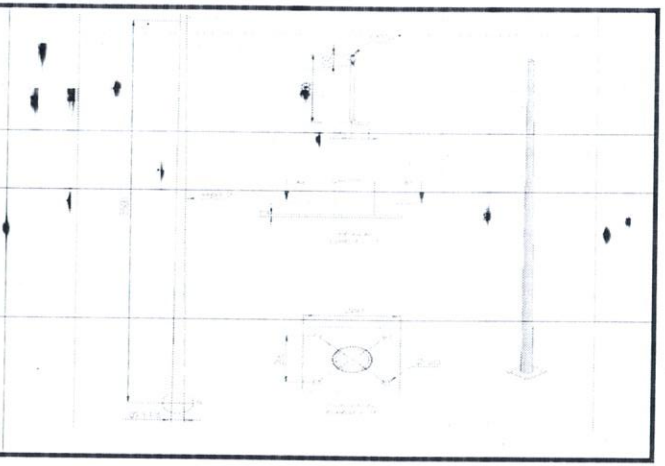
Annex 1: Works Requirements Annex 2: Quotation Form Annex 3: Contract Forms

ANNEX 1: Works Requirements
Specifications

FEATURES OF ALL IN ONE SOLAR STREET LIGHT

	Item	Technical Description	Images
Lighting	LED Module	High-efficiency LED - Multi-chip technology (IP67)	  
	Luminous Flux	3500 to 7000 lumens	
	Power Consumption	20 W to 40 W	
	Luminous Efficiency	Up to 175 lm/W (4000 K)	
	Color Temperature	27,000 K, 3000 K & 4000 K	
	Lifespan	50,000 hours	
	Certifications	EN 62031, EN 62471	
Solar panels	Technology	Photovoltaic module (monocrystalline silicon)	
	Power	80 Wp (2x40 Wp)	
	Electrical Characteristics per Panel	Isc = 2.19 A/Voc = 24.17 V/Imp = 2.01 /Vm	
	Panel Dimensions	776 x 350 mm	
	Lifespan	20 years at 80% of initial power	
	Tilt	Horizontal	
	Structure	Frameless	
	Certificates	IEC 61215; IEC 61730 I and II	

Battery	Battery Technology	Maintenance-free NiMH battery, highly resistant to extreme temperatures	
	Voltage	24 V	
	Capacity	240 Wh	
	Operating Temperature	40°C to 70°C	
	Lifespan	12 years	
	Certifications	EN 62133	
Electronic	Communication	Bluetooth	
	Input Voltage	24 V	
	Open Circuit Voltage	45 V	
	Maximum Charge/Discharge Current	4.2 A	
	Electrical Protection	Electronic fuse	
	Water Resistance	IP65 with waterproof connectors	
	Certifications	CE, EN 61000	
General	Materials	ABS PMMA cover (70% recycled) and aluminum	
	SCx	0.147 m²	
	Mounting	60 mm top mounting	
	Weight (Excluding Mat)	19 kg	
	Motion Detector (Required)	Detection radius: 5 to 10 m depending on the installation height	

Mast	Height	9 to 11 m	
	Material	User-friendly hot-dip galvanized pole	
	Type	Polygonal Round Octagonal – Single arm Double arm	
	Wind resistance	≥ 160 KH	

TECHNICAL SPECIFICATIONS (STS)

CONTENTS

The purpose of this TSP is to inform bidders about the nature of the work to be performed, its scope, dimensions, and the technical specifications to be observed. However, it is not exhaustive, and the contractor must perform, as included in its prices, without exception or reservation, all work required by its profession that is essential for the complete completion of the work in accordance with industry standards.

The plans and diagrams in this TSP are therefore provided for informational purposes only to visualize the project.

Article 2: Contractor's Responsibilities

The fact that a contractor executes without modification the requirements of the documents prepared by the Engineer cannot in any way diminish its full and complete responsibility as a contractor. Thus, a site visit will provide a fair assessment of the services to be performed.

In the event of an error or inadequacy, the contractor must refer the matter to the engineer in a timely manner so that the latter has sufficient time to make any necessary adjustments or corrections. The contractor shall remain solely responsible for any errors or modifications that may result, for the contractor or for subcontractors, from an oversight or failure to comply with this clause.

The contractor shall be liable for all damage or accidents caused by its personnel as a result of the work.

Article 3: Nature of the Work

The works covered by this contracts involves the installation of 60 solar streetlights in Biando 1,Lutu and Samberi villages of, _Furu -Awa council, Menchum Division of

North west Region. Article 4: Standards and Regulatory Texts

4.1- General Standards and Texts

All work covered by this contract must comply with the requirements, laws, decrees, orders, standards, norms, and publications in force in Cameroon relating to the management of the electricity sector and the Cameroon Labor Code. In the absence of such texts, the recommendations of the International Electro technical Committee (ETC) will be applied in this order:

- European standards CEN-CENELEC (EN);

- French standards AFNOR;

- UTE-class C standards concerning electrical installations NF C 10-100; NF C 10-101; NF C 10-200; NF C 13-100; NF C 14-100; NF C 15-100) and addenda;

- Unified Technical Documents (DTU).

4.2- Standards and regulations relating to photovoltaic installations

- The photovoltaic installations in this contract must comply with the requirements, laws, decrees, orders, standards, norms, and publications in force in Cameroon relating to renewable energy and low-voltage installations. In the absence of such regulations, the following will apply:

- - UTE C 57-300: Descriptive parameters of a photovoltaic system:

- - UTE C 57-310: Direct conversion of solar energy into electrical energy;

- - NF EN 61727: Photovoltaic (PV) system – Characteristics of the grid connection interface;
- - NF EN 61173: Overvoltage protection for photovoltaic (PV) energy production systems;

-IEC 61724: Monitoring the operating qualities of photovoltaic systems – Recommendations for data measurement, transfer, and analysis;NF EN60904-3 (C57-323) :

- Photovoltaic Device – Part: Measurement of photovoltaic current-voltage characteristics – Part 3: Measurement principles for terrestrial solar photovoltaic (PV) devices including reference spectral illumination data;

- NF EN 61215 Mono- or polycrystalline silicon photovoltaic (PV) modules: Design qualification and approval;

- NF EN 61730-1 (C57-111-1) Qualification for the operational safety of photovoltaic modules Part 1: Construction requirements;

- NF EN 61730-2 (C57-111-2) Qualification for the operational safety of photovoltaic modules Part 2: Test requirements;

4.3 - Standards and texts related to public lighting installations

The public lighting installations, subject of this contract, must comply with the regulations, laws, decrees, orders, standards, and publications in force in Cameroon and related to public lighting. In the absence of such texts, the following standards will be applied:

- NF EN 60598 standards on luminaire safety;
- UTE C 17-205 standard applicable to public lighting characteristics;
- NF C 17-200 standard related to installations for public road lighting;
- NF C 17-202 standard applicable to lighting and luminous motif installations;
- NF EN 13201 standard concerning public lighting, parts 1, 2, 3, and 4;
- NF EN 40 standard concerning public lighting candelabras;
- EN 62031 standard;
- EN 62471 standard;
- IEC 61215 standard;
- IEC 61730 I and II standards;
- EN 62133 standard;
- CE, EN 61000 standard.

OTHER TEXTS

The fact that not all regulations are mentioned does not exempt the Contractor from complying with them. By signing the Contract, the Contractor takes responsibility for the design and execution of the installations. They must therefore provide their comments on the design of the file before signing the Contract. If new regulations come into force during the works, the Contractor will be required to inform the Engineer in writing, specifying the application procedures for these new regulations and their impact on the ongoing operation.

Article 5 - Quality and origin of materials

All materials, equipment, and accessories used in the installations must be new and of high quality. The bidder will provide, with their offer and in any case, the list and description of their suppliers, as well as supporting documents for previous supplies or potential partnerships. During execution, no material changes can be made without the authorization of the Engineer.

Article 6 - Site organization - deadlines - penalties

All necessary measures for the execution of the works, subject of this contract, must be taken (provisional power supply and connection, work schedule arrangement, etc.). The company must ensure the timely supply of all materials and supplies necessary for the regular progress of the site. No delivery failure by suppliers can be invoked to excuse a delay in the prescribed deadlines.

Article 7 -Changes to services during execution

No changes to the selected project can be made during execution without the authorization of the Project Owner.

Article 8 - Site visits and meetings

A site survey will be organized in the presence of the Contractor before the start of installation work. Whenever convened by the Project Owner (or their representative), the Contractor must participate in site meetings.

Article 9 - Hygiene, safety, and working conditions

9.1 - General safety measures

All regulatory provisions concerning worker hygiene and safety must be respected by the Contractor and their potential subcontractors. In addition, the provisions of Article 10 of this TSP must be respected.

9.2 - Specific safety measures

To limit the risks incurred during the works, subject of this Contract, certain safety measures must be implemented:

- Handling work: use of personal protective equipment (helmet, clothing, gloves, safety shoes, etc.); use of suitable handling equipment; use of tools and devices approved for outdoor use (tools, portable electric tools, extension cords, inspection lamps, generators, etc.);

- Electrical work: use of personal protective equipment; use of collective safety equipment (signaling banners, etc.); respect for installation procedures;

- Work at heights: use of temporary or permanent suitable equipment (mobile ladder, cradle ladder, scaffolding, etc.); use of personal protective equipment (safety harness, leash, helmet, etc.); signaling and delimitation of - of work areas facing the risk of falling objects (barriers, marking, information panels, etc.).

Article 10 - Number and qualification of operators

The co-contractor will mobilize, for the services subject of this Contract, in addition to the management personnel, as specified in Table 2 of the particular regulations of the Call for Tenders, a team of at least 8 operators. These operators must have a minimum proven experience in similar work, including the installation of modules and supporting structures, implementation of photovoltaic installations, electrical wiring, work at heights, metalwork, woodwork, and masonry. The organization plan that the Co-contractor must provide in their technical offer must specify the function and tasks assigned to each operator.

Chapter II - General technical specifications for services

Article 11 - Definitions

A solar streetlight is a public lighting device operating from photovoltaic solar energy. Within the meaning of this TSP, it includes:

- A candelabra: the assembly consisting of the mast and the arm;

- A luminaire or streetlight head: the mechanical, optical, and electrical assembly that includes one or more lamps. It allows for the distribution and control of the luminous flux, as well as protection of the lamps, electrical and mechanical devices Electrical and mechanical weatherproofing devices;

- One or more photovoltaic modules;

- One or more above-ground or underground storage batteries;

- A charge controller;

- The entire control system;

- A mounting plate.

Article 12: Database

- 12.1 Solar Irradiation: The solar irradiation in the region is estimated to be 5.2kWh/m²/day.

- 12.2 Number of Solar Streetlights: The number of solar streetlights to be installed is 25.

Article 13: Candelabra

- The candelabra will be made of hot-dip galvanized steel, with a polygonal, round, or octagonal shape, and a single or double arm.

- It must be designed to support the entire streetlight system and have a wind resistance of ≥ 160 km/h.

- The height of the candelabra will be between 7m and 9m.

Article 14: Luminaire

- The luminaire will have an optical system consisting of a reflector, refractor, and adjustment device.

- It must provide high efficiency without emitting light above the horizon.

- The luminaire will be IP67-rated, and the lamps will be high-efficiency LED lamps with a power consumption of 20-40W and a luminous efficacy of up to 175 lm/W.

- The lamps must be certified to EN 62031 and EN 62471 standards.

Article 15: Photovoltaic Modules

- The photovoltaic modules must withstand various environmental conditions, including temperatures between -10°C and +85°C, relative humidity up to 100%, and wind speeds up to a certain threshold.

- The modules must meet IEC 61215 and IEC 61730 standards for monocrystalline silicon modules.

- The modules must have a minimum power output of 80 Wc (2x40 Wc) and a lifespan of 20 years at 80% initial power.

Article 16: Solar Batteries

- The batteries will be designed to power the streetlights from 6 pm to 6 am and provide an autonomy of 3 days.

- They must provide a stable current over long periods while maintaining their recharge capacity.

- The batteries will be NiMH-type, maintenance-free, and have a high resistance to extreme temperatures.

Article 17: Electronic Device

- The electronic device must allow communication via Bluetooth and meet specific technical requirements.

- It must have a maximum charge/discharge current of 4.2 A and be protected by an electronic fuse.

- The device must be waterproof (IP65) and meet CE and EN 61000 standards.

Article 18: Grounding and Lightning Protection

- The interconnection of masses is crucial for proper functioning of lightning and surge protection.

- Metal masses of equipment must be interconnected and connected to the earth.

- Lightning arresters must be installed on both sides of connections to protect equipment against indirect lightning strikes.

Article 19: Streetlight Control

- A control device must be installed to control the lighting and extinguishing of lamps at appropriate times.

- The device may be integrated into the charge regulator.

- A power adjuster must be installed to reduce energy consumption during the night.

Article 20: Fixation and Civil Engineering

- The streetlight will be fixed to the ground using a concrete foundation and four anchor rods.
- The foundation must be designed to support the loads due to the streetlight.

Article 21: Tree Trimming and Pruning

- The work includes trimming and pruning any obstacles that may cause shading on the modules.

Article 22: Calculation Note

(The bidder will provide a detailed calculation note in their bid and then complete the table below):

General information	Energy requirements (Wh/day)		
	Solar irradiation (kWh/m2/day)		
	Nominal voltage (V)		
	Illumination efficiency		
	PV generator efficiency		
	Battery efficiency		
	Converter efficiency		
	Regulator efficiency		
	Battery depth of discharge		
PHOTOVOLTAIC GENERATOR	Correction factor		
	Peak power (kW)		
	MODULES	Power	
		Voltage	
		Number of modules in series	
		Number of branches	

	Total power		
	Photovoltaic field current (A)		
BATTERY	Autonomy		
	Storage capacity (Ah)		
	BATTERY	Capacity	
		Tension	
		Serial number	
		Number of outlets	
	Total capacity(Ah)		
REGULATOR	Input current or photovoltaic field current (A)		
	Output current (A)		
	Characteristic current (A)		

Article 23: Technical characteristics of the works (to be completed by the bidder)

Contract :

Locality :BIANDO I,LUBU and SAMBARI

Subdivision :Furu-Awa Council

Division :Menchum

Region :North West

Number of street lamps :60

PHOTOVOLTAIC GENERATOR		Exigency of the RFQ	Proposal of the contractor	Observations
Solar Pannel	Mark			
	Type			
	Capacity			
	Output			
	Minimum output			
	Number			
Battery	Mark			
	Type			
	Capacity (Ah)			
	Voltage(V)			
	Number of cycles per 80% discharge			
	Number of cycles per 30% discharge			
	Output			
Regulator	Mark			
	Current(A)			

	Voltage			
	Automatic regulation			
	Automatic disconnection			

	Localisation MPPT			
Operating temperature				
Protection index				
BASE PLATE				
Material				
Height of iron pole				
Setting up				
Interval				
LIGHTING				
Mark				
Type				
Capacity				
Maximum luminous flux power				
Luminous efficacy				
Battery life with a fully charged battery				
Temperature resistance				
Fixture life				
Bathtub (shape or orientation)				
Control device (specify)				
MAINTENANCE CYCLE AND GUARANTEE				
Recommended battery replacement after (specify number of years)				
Recommended lamp replacement after (specify number of years)				
Guarantee of solar production after	Year	percentage		

(specify the percentage of guaranteed production)	Year	percentage			
	Year	percentage			
	Year	percentage			
FIXING THE LAMP POSTS					
Footings in reinforced concrete	Dosage				
	Dimensions				
	(LxWxH) mm				
Plate	Material				
	Dimension(LxWxH) mm				
Sealing rods	Material				
	Number				
	Dimensions				

CONDITIONS FOR PROVISIONAL ACCEPTANCE

Provisional acceptance will be pronounced based on the results and findings made on the site, except for reservations made by the contractor in the site logbook. The conditions for provisional acceptance will include:

- Availability of the technical pre-acceptance report
- Tests or trials of the solar streetlight system

The provisional acceptance will be subject to a report.

CONDITIONS FOR FINAL ACCEPTANCE

Final acceptance will be pronounced at the end of the warranty period, set at six (6) months. No specific tests will be conducted, but a new control of the solar system's operation, a verification of the condition of the streetlights and batteries, a verification of the availability of the masts, and a survey of the population will be conducted to ensure proper functioning over time.

If conditions inferior to those of provisional acceptance are observed, the contractor will be required to restore the initial characteristics at their own expense.

SITE VISIT

A site visit is recommended for bidders to understand the site constraints. Bidders must take into account all constraints in their financial proposal. The successful bidder must pay particular attention to task planning, site organization, and expense management to avoid delays or work stoppages.

EXECUTION AND COMPLETION PROJECT

The successful bidder will produce an execution project within 15 days, including:

- Methodology
- Execution schedule
- Personnel list
- Site organization chart
- Intervention and supply schedule
- Supplier list
- Execution plans for works
- Health and safety measures

At the end of the work, a completion report will be produced, including:

- Final completion report with execution details
- Personnel employed
- Difficulties encountered
- Changes made to the specifications

WARRANTY

The contractor's obligations during the warranty period include replacing or repairing defective parts or those damaged due to manufacturing defects. The contractor will conduct follow-up visits to ensure proper functioning and maintenance of equipment during the warranty period.

SOCIO-ENVIRONMENTAL ASPECTS

To mitigate environmental impacts, the following actions must be respected:

- Preparation of an environmental action plan
- Internal regulations specifying safety rules and prohibiting alcohol consumption during work hours
- Information and awareness campaign for personnel and residents
- Specific socio-environmental measures, including:
  - Hydrocarbon management
  - Personnel and user safety
  - Waste management
  - Resource management

- Damage repair

- Accessibility for people with disabilities

The contractor must take necessary precautions to avoid contact between hydrocarbons and the soil, ensure personnel safety, manage waste, and protect resources. The contractor will also be responsible for repairing damages caused to third parties.

Site Restoration and Demobilization

At the end of the work, the site must be restored to its original state. To this end, the necessary arrangements below must be made:

- Regrading of excavated materials and then topsoil to facilitate water percolation, seeding and planting if prescribed

- Restoration of previous natural flows

- Removal of the site's dilapidated appearance

- Construction of guard drains to prevent erosion of degraded land

- Construction of drainage ditches for runoff water and conservation of access ramps

- If the quarry or borrow area can be used for other purposes, such as livestock grazing or playgrounds for residents

Regarding the construction site, the contractor will carry out all necessary work to restore the site to its original state. The contractor must remove all equipment, machinery, and materials. No equipment or materials may be abandoned on the site or in the surrounding area. This restoration also applies to all deviations and detours set up during the work.

It is desirable that sites be restored progressively.

Other environmental measures must also be respected by the contractor.

EQUIPMENT

The Bidder must establish that it has the following key equipment:

- Logistical equipment

LOGISTICS EQUIPMENT

N°	DESCRIPTION	STATUS	NECESSITY
1	List of small equipment consistent with the tasks (produce photocopies of purchase invoices or rental invoices)	Propriety or location	Absolute

SET OF SMALL CONSTRUCTION EQUIPMENT

N°	DESCRIPTION	Mode of acquisition
1 -	Pickaxes	Propriety
2 -	Shovels	Propriety
3 -	Clamps	Propriety
4 -	Water Levels (Flasks)	Propriety
5 -	Spirit Levels	Propriety
6 -	Molds for 20-inch concrete blocks	Propriety
7 -	Molds for 15-inch concrete blocks	Propriety
8 -	Wheelbarrows	Propriety
9 -	Crowbars	Propriety
10 -	Masses	Propriety
11 -	Gametes	Propriety
12 -	Hacksaws	Propriety
13 -	Handsaws	Propriety
14 -	Mason's Hammers	Propriety
15 -	Plumb Bobs	Propriety
16 -	Axle Plumb	Propriety
17 -	10-L Buckets	Propriety
18 -	Shears	Propriety
19 -	Cutters	Propriety
20 -	Pliers	Propriety
21 -	Pliers	Propriety
22 -	Safety Helmets	Propriety
23 -	Gangs	Propriety
24 -	Construction Boots	Propriety
25 -	6-inch Claw Wrenches	Propriety
26 -	8-inch Claw Wrenches	Propriety
29 -	10-inch Claw Wrenches	Propriety
30 -	Nail Pullers	Propriety

31 -	Shovels	Propriety
32 -	Strings	Propriety
33 -	Double Rulers (3.5m)	Propriety
34 -	Double Rulers (5.00m)	Propriety
35 -	Taper Tape (50m)	Propriety
36 -	Taper Tape (30m)	Propriety
37 -	Mason's Squares (50cm)	Propriety
38 -	Machetes	Propriety
39 -	Carpenter's hammers	Propriety

8. EXECUTION METHODOLOGY

Work Execution Methodology
Production of a Project Organization Chart
Detailed Technical Note on the Organization of Work
Description of Socio-Environmental Protection Rules
Detailed Work Execution Schedule with Deadlines ≤ Ninety (90) Days
Consistency in Work Scheduling
Special Technical Clauses Book, initialed on each page, dated and signed on the last page
Environmental and Social Clauses Book, initialed on each page, dated and signed on the last page
Special Administrative Clauses Book, initialed on each page, dated and signed on the last page

Environmental and Social Requirements (ESR)

TEMPLATE FOR ENVIRONMENTAL AND SOCIAL CLAUSE SPECIFICATIONS (ESC)

LIST OF ACRONYMS AND ABBREVIATIONS

ILO: International Labor Office
CCES: Environmental and Social Clauses
TSP :Special Technical Clauses
CGES: Environmental and Social Management Framework
CPPA: Planning Framework for Indigenous Peoples
CPR: Resettlement Policy Framework
E&S: Environmental and Social
SEA: Sexual Exploitation and Abuse
EPC: Collective Protective Equipment
PPE: Personal Protective Equipment
ESHS: Environmental, Social, Health and Safety
MSDS: Safety Data Sheet
HIMO: Labor-Intensive
HS: Sexual Harassment
STI: Sexually Transmitted Infections
km/h: Kilometers/Hour
MINEPDED: Ministry of the Environment, Nature Conservation and Sustainable Development
MGP: Grievance Management Mechanism
MGPT: Worker Grievance Management Mechanism
STD: Sexually Transmitted Disease
NC: Non-Compliance
NES: Environmental and Social Standards
WHO :World Health Organization
XXXX Project Name
PCS: Social Communication Program
PEE: Environmental Engagement Plan
ESMP: Environmental and Social Management Plan
PGMO: Workforce Management Plan
PPMP: Stakeholder Mobilization Plan
PHSE: Environmental Health and Safety Plan
UGP: Project Management Unit
AIDS: Acquired Immunodeficiency Syndrome
OHS: Occupational Health and Safety
HIV: Human Immunodeficiency Virus
VAC: Violence Against Children
GBV Gender-Based Violence
[15:17, 12/08/2025] Infrastructure Expert NW:

INTRODUCTION

This Environmental and Social Clauses (ESC) model relates to the works described below. The model will also be used to draw the Contractor's attention to environmental, social, safety, and health requirements to be implemented during the execution of the works.

GENERAL OBLIGATIONS

Contractor's Responsibilities

The Contractor is solely and entirely responsible for complying with this ESC. Subcontracting part of the work does not exempt the Contractor from full responsibility for complying with these clauses.

The Contractor has the following environmental and social obligations:

1. Prepare a Site Environmental and Social Management Plan (SEMP): before starting work on site, in accordance with ESC obligations and World Bank Environmental and Social Standards.

2. Implement the SEMP: throughout the project duration, from contract signature to final acceptance of the works.

3. Dedicated organization and resources: for environmental and social management, including preparation of documentation, monitoring, corrective measures, and communication.

4. Compliance with best practices: environmental, social, health, and safety (ESHS), including prevention and response to incidents.

5. Knowledge and compliance with regulations: including national and municipal laws, decrees, and standards related to the works.

Some applicable regulations include:

- Environmental laws:

- Law No. 96/12 on environmental management
- Law No. 94/01 on forest, wildlife, and fisheries management
- Law No. 98/005 on water management

- Social laws:

- Law No. 92/007 on labor code
- Law No. 85/09 on expropriation for public utility

- Other regulations:

- Decree No. 2013/00171/PM on environmental impact assessment
- Decree No. 2012/2809/PM on waste management

Project Owner's Commitments

The Project Owner approves, validates, and transmits the ESC and SEMP to the Contractor and ensures strict application.

Internal Regulations

The Contractor must display internal regulations visibly in the base camp, specifying:

- Prohibitions: poaching, environmental damage, and safety risks
- Environmental requirements: hygiene rules and safety measures

CONTROLS, NOTIFICATIONS, MANAGEMENT OF NON-CONFORMITIES, AND SANCTIONS

- Control of ESC implementation: by the Project Owner or authorized representative
- Notification of non-conformities: written notification to the Contractor
- Management of non-conformities: categorized into 4 levels, with corresponding procedures and deadlines for resolution
- Sanctions: payment suspension, penalties, or work suspension in case of severe non-compliance

PRE-WORK ARRANGEMENTS

- Resources allocated to environmental and social management: dedicated personnel and resources
- Site Environmental and Social Management Plan (SEMP): prepared by the Contractor, approved by the Project Owner, and updated as necessary

The SEMP is a single reference document outlining the measures the Contractor will implement to comply with ESC requirements. It covers the entire project duration and must be prepared and approved before work begins.

EXECUTION OF WORKS

III.1. Pre-Work Meeting

Before starting work, the Contractor and the Project Owner, under the supervision of the Project Manager, must organize meetings with authorities, population representatives, including women, located in the project area, and relevant technical services. The purpose of these meetings is to inform them of the work to be carried out, its duration, and the routes and locations that will be affected.

III.2. Access and Site Installation

III.2.1. Access

Access to the site for construction purposes must be done in a way that limits disruptions and safety risks. The Contractor must define the most optimal access route, taking into account the aforementioned concerns.

- Road maintenance: the Contractor must maintain the access roads and ensure that they are clear of debris.
- Water flow: the Contractor must ensure that water flow is not disrupted and that the roads are designed to allow for proper drainage.

III.2.2. Circulation

When working near sensitive areas, a precise marking and staking of these areas must be done before starting work, in the presence of the Project Manager, a representative of the excavation company, and an environmental specialist.

- No circulation: is allowed in areas with high environmental value, marked on the attached graphic piece.

- Precautions: must be taken to avoid soiling roads when exiting the construction site.

III.2.3. Installation

The Contractor must submit a site installation plan and location of construction installations to the Project Promoter.

- Site selection: the site must be chosen to minimize environmental impact, and the Contractor must take into account the following requirements:

  - Distance from roads: at least 30m

  - Distance from water bodies: at least 200m

  - Distance from habitations: at least 100m

- Site preparation: the site must be prepared to prevent environmental damage, including:

  - Clearing and tree cutting: must be minimized, and trees with a diameter greater than 50cm must be preserved and protected.

  - Road compaction: roads must be compacted and watered periodically.

  - Drainage: the site must have adequate drainage to prevent water stagnation.

The Contractor must also submit the following documents to the Project Manager before installing the construction site:

- Location of areas to be used

- Site installation plan

III.2.4. Permits and Authorizations Before Work

Any work must be subject to a prior information and administrative authorization procedure. Before starting work, the Contractor must obtain all necessary permits for the work planned, including authorizations issued by local authorities, forestry services, mining or hydraulic services, labor inspection, network managers, environmental authorities, etc.

III.3. Release of Easements and Network Marking

The Contractor must know that the public utility perimeter related to the operation is the perimeter likely to be affected by the work. Work cannot begin in areas affected by private easements until they are released following an acquisition procedure that is the responsibility of the Government/Borrower.

III.4. Provisions Applicable to Site Installation and Throughout Work Execution

III.4.1. Weekly Environmental and Social Inspections

In addition to its own inspections, the E&S manager will also conduct joint E&S inspections with the Project Manager. Each inspection will result in a written report, in a form approved by the Project Manager, detailing non-compliances with the ESC observed on the site.

III.4.2. Reporting

- Monthly reports: The Contractor will submit a monthly E&S activity report summarizing all E&S actions implemented during the previous period.

- Incident and accident reporting: The company will immediately notify the UGP of any incident or accident within 48 hours of becoming aware of it.

- Quarterly reports: will be integrated into the construction activity report, summarizing E&S activities for the quarter.

- Semi-annual reports: will be prepared and submitted to the Ministry of Environment, Nature Protection, and Sustainable Development (MINEPDED) and departmental PGES monitoring committees.

III.5. Health and Safety Management

The Contractor will describe its health and safety management system in the PGES-site, identifying and characterizing:

- All safety and health risks related to the work
- Measures to prevent and protect against risks
- Human and material resources involved
- Work requiring work permits and emergency plans

III.6. Information, Awareness, and Capacity Building

The Contractor will conduct information and awareness activities for local populations and stakeholders on:

- The nature and planning of work
- Recruitment procedures
- Health risks (STIs, HIV-AIDS, etc.)
- Protection of road infrastructure
- Sustainability of the structure to be built

The Contractor will conduct these activities under the supervision of the Project Manager and approval of the Project Owner.

PROTECTION OF THE ENVIRONMENT: REQUIREMENTS TO MITIGATE ENVIRONMENTAL IMPACTS

IV.1. Maintenance and Waste Management

During the construction period, the Contractor will ensure that the entire site and its surroundings are maintained in good condition and that waste is properly managed, including:

- Following proper procedures for storage, collection, transportation, and disposal of hazardous waste
- Identifying and clearly delimiting waste disposal areas
- Controlling the placement of all construction waste in approved disposal sites
- Minimizing waste generation during construction and reusing construction waste where possible

IV.2. Preventive Measures Against Noise Pollution and Dust Emissions

The Contractor will pay particular attention to limiting potential noise disturbances. To this end, it must comply with the noise thresholds prescribed by law.

- Noise reduction measures: The Contractor will limit the use of noisy equipment to the strict necessary and stop equipment that is not in use.
- Noise restrictions: Noise disturbances near dwellings will be prohibited from 7 pm to 8 am, as well as on weekends and public holidays.
- Hearing tests: Personnel working in areas with noise levels above the acceptable standard will undergo hearing tests at frequencies defined by the occupational physician.

IV.3. Storage and Use of Potentially Polluting Substances

The storage and handling of potentially polluting or hazardous substances (oils, fuel, etc.) must comply with the following principles:

- Limitation of stored quantities: Storage must be organized in a way that prevents access to unauthorized persons.
- Handling by trained personnel: Personnel handling these substances must be equipped with personal protective equipment (PPE).
- Signage: The storage site must be marked with a sign indicating the nature of the hazard.

IV.4. Fuels and Lubricants

- Storage of lubricants: Lubricants must be stored in leak-tight containers on a flat, clean, and stable surface.

- Fuel storage: Fuels must be stored in tanks in a specially designed area, with a recovery basin that can contain at least 2/3 of the tank's volume.

IV.5. Other Potentially Polluting Substances

The use of other potentially polluting substances must be notified to the Project Manager before their use. The company must provide proof of the legality of their use, and the Project Manager will consult with the relevant technical services for authorization and possible prescription of precautionary measures.

IV.6. Management of Accidental Pollution

In the event of accidental pollution, the Contractor will immediately notify the Project Manager. Depending on the component of the environment affected by the pollution, the relevant technical services will be notified.

IV.7. Principle of Intervention Following Accidental Pollution

In the event of an accidental spill of polluting substances, the following measures must be taken:

- Avoid contamination: Use absorbent products to prevent contamination of the soil.

- Protect water sources: Prevent contamination of water sources by blocking; damming, or creating an earth dike.

- Excavate polluted soil: Excavate polluted soil and treat it in an environmentally rational manner.

IV.8. Protection of Natural Areas Against Fire

The use of fire is strictly prohibited on the construction site, except with express authorization from the Project Manager.

IV.9. Conservation of the Landscape Integrity of the Site

No damage will be caused to vegetation outside the area of the structures, access roads, or work areas. Measures must be taken to protect protected or rare species.

IV.10. Protection of Biodiversity Protection of Biodiversity

In addition to complying with the resolutions of the Biodiversity Management Plan, the Contractor must take the following initial measures during the execution of the work:

- Prohibit construction sites and base camps: near national parks and their buffer zones.

- Prohibit opening of borrow pits: and waste disposal areas within the parks.

- Prohibit logging: in the parks and their buffer zones.

- Prohibit consumption and hunting: of bush meats by construction personnel.

- Avoid locating certain road equipment: such as rest areas, toll booths, and weighing stations within the parks.

- Obtain authorization: for borrow pits in designated areas.

- Collaborate with park managers: to plan work near parks, taking into account animal migration patterns.

- Install tunnels or bridges: for animal crossings.

- Install signage: marking park boundaries and animal crossing points.

- Develop communication plans: and training materials to educate workers and local communities on protected species and regulations.

Social Risk Management

The Contractor must establish a detailed social management program for the construction site, including:

- Labor management plan: describing procedures for managing workers, including terms and conditions of employment, working hours, and wages.

- Worker protection: measures to protect workers' health, safety, and well-being.

- Grievance mechanism: a system for workers to report concerns or grievances.

- Subcontracting: the Contractor must include equivalent provisions and grievance mechanisms in contracts with subcontractors.

Managing Labor Influx

The Contractor must anticipate and manage the risks associated with an influx of labor, including:

- Social conflicts: between local communities and workers.

- Illicit behavior: and crime.

- Impacts on community dynamics: and public services.

- Disease transmission: and strain on local healthcare services.

- Increased traffic: and accidents.

The Contractor will provide training to workers on:

- Minimizing the risk of disease transmission.

- Code of conduct: defining acceptable behavior and disciplinary measures. V.3. Prevention and Response Plan for Gender-Based Violence (GBV)

The Contractor must implement a plan to prevent and respond to GBV, including sexual exploitation and abuse (SEA) and sexual harassment (SH), in the workplace and in communities affected by the project.

Code of conduct:

The Contractor must sign and implement a code of conduct that includes provisions on GBV, SEA, and SH.

- Training and awareness: The Contractor must provide training and awareness programs for employees and subcontractors on GBV, SEA, and SH.

- Grievance mechanism: The Contractor must establish a grievance mechanism that allows survivors to report incidents of GBV, SEA, and SH, and provides support and protection to survivors.

V.4. Prevention of Damage to Persons and Property

The Contractor must implement measures to prevent damage to persons and property, including:

- Safety equipment: Providing personal protective equipment (PPE) to employees and ensuring its use.

- Dust control: Implementing measures to control dust and minimize its impact on nearby communities.

- Signage: Installing signage to warn of construction activities and potential hazards.

- Speed limits: Implementing speed limits for vehicles and machinery to prevent accidents.

- Security measures: Implementing security measures to prevent unauthorized access to the construction site.

The Contractor must also:

- Provide training: to employees on safety procedures and protocols.

- Ensure proper waste disposal: to prevent environmental pollution.

- Conduct awareness campaigns: on health issues, including COVID-19, HIV/AIDS, and GBV.

V.5. Occupation Management Plan

The Contractor must be aware that the public utility perimeter related to the operation is the perimeter that may be affected by the work. The work cannot begin in areas with private easements until they are cleared following an acquisition procedure that is the responsibility of the Government/Borrower.

- Identify and mark existing networks: The Contractor must identify and mark existing networks of concessionaires (water, electricity, telephone, sewer, etc.) on a plan.

- Avoid damage to people and property: The Contractor must take all necessary precautions to avoid damage to people and property, including adjacent properties to the work.

- Restrict access: The Contractor cannot restrict access to pedestrians and vehicles to their homes and/or businesses during the work, except when necessary.

- Prepare a management plan: When access restriction cannot be avoided, a management plan including temporary access and agreed upon with the parties concerned must be prepared for approval by the Contracting Party.

V.6. Cultural Heritage Management Plan

The Contractor will ensure that:

- Avoid modifying historical, archaeological, or cultural sites: The project will not alter or damage cultural heritage sites.

- Address women's concerns: The Contractor will prioritize women's concerns and promote their involvement in decision-making.

- Hire local labor: The Contractor will prioritize hiring unskilled labor from the local population.

If cultural or religious objects are discovered during excavations:

- Stop work immediately: The Contractor will stop work immediately and notify the project promoter and competent authorities.

- Protect the objects: The Contractor will protect the objects and take measures to stabilize the area.

- Resume work only with authorization: The Contractor will resume work only after receiving authorization from the competent authorities.

V.7. Social Communication Plan

The Contractor will prepare a Social Communication Plan (SCP) to inform the surrounding population about the project, including:

- Work schedule: The Contractor will inform the communities about the work schedule and any restrictions.

- Progress updates: The Contractor will provide updates on the project's progress and any changes.

- Preventive measures: The Contractor will inform the communities about preventive measures to protect the environment and local populations.

- Communication channels: The Contractor will provide channels for the population to express their doubts, complaints, and suggestions.

V.8. Grievance Management Plan

The Contractor will establish a grievance management system to handle cases that may arise during the execution of the work. The Contractor will be responsible for:

- Recording grievances: The Contractor will record all grievances and provide a response to the complainant.

- Providing access to grievance mechanisms: The Contractor will provide easy access to grievance mechanisms for workers and their organizations.

- Linking to the project's grievance mechanism: The Contractor's grievance mechanism will be linked to the project's grievance mechanism for transparency and efficiency.

SITE DEMOBILIZATION AT THE END OF WORK

At the end of the work, the Contractor must carry out all necessary work to restore the site to its original condition. The Contractor will recover all its equipment, machinery, and materials. No equipment or materials may be abandoned on the site or in the surrounding area.

- Demolition of concrete areas: Concrete areas will be demolished, and demolition materials will be disposed of in an approved site.

- Drainage: Drains will be cleaned to prevent accelerated erosion of the site.

If it is in the interest of the Project Owner to recover fixed installations for future use, the Administration may request the Contractor to transfer ownership of the installations subject to demolition without compensation.

After demobilization, a report will be prepared and signed, confirming the restoration of the site, and will be attached to the work acceptance report.

ANNEXES

Annex 1: Content of the Environmental and Social Management Plan (ESMP) for the Construction Site

- Description of activities: Description of activities that may generate environmental and social risks and impacts for the sub-project.

- Description of risks and impacts: Description of environmental and social risks and impacts, health and safety at work, and EAS/HS aspects.

- Mitigation measures: Measures to mitigate environmental and social risks and impacts, including:

  - Procedures for storage, collection, transportation, and disposal of hazardous waste.

  - Preventive measures against noise pollution and dust emissions.

  - Principles for storage and use of potentially polluting substances.

  - Measures to protect natural areas from fire.

  - Procedure for managing non-conformities.

  - Solid waste management plan.

  - Incident investigation procedures.

  - Health, safety, and security plan.

The health and safety plan will include:

- Hazard identification: Identification of hazards to safety, hygiene, and health.

- Work methods: Description of work methods to minimize hazards and control risks.

- Permit-to-work system: List of types of work requiring a permit-to-work.

- Personal protective equipment: Description of personal protective equipment for each job.

- Collective protective equipment: Description of collective protective equipment on the work site.

- Medical arrangements: Description of medical arrangements on the site, including medical equipment, personnel, and emergency evacuation procedures.

- Internal organization: Description of internal organization and actions to be taken in case of accident or incident.

Other plans and programs include:

- Labor management plan: Plan for managing labor.

- Labor influx management plan: Plan for managing labor influx.

- GBV prevention and response plan: Plan for preventing and responding to gender-based violence, including exploitation and abuse.

- Damage prevention plan: Plan for preventing damage to people and property.

- Occupation management plan: Plan for managing occupation of land and restricting access to residences or businesses.

- Cultural heritage management plan: Plan for managing cultural heritage.

- Social communication plan: Plan for communicating with local communities.

- Grievance management plan: Plan for managing grievances and complaints.

- Fines and penalties: Description of fines and penalties for non-compliance.

ANNEX 2: Quotation Forms

Contractor Quotation Form

From:	[*Insert Contractor's name; in case of a joint venture, specify the name of the joint venture*]
Contractor's Representative:	[*Insert name of Contractor's Representative*]
Title/Position:	[*Insert Representatives title or position*]
Address:	[*Insert Contractor's address*]
Email:	[*Insert Contractor's email address*]

To:	*[Insert Employer's name]*
Employer's Representative:	*[Insert name of Employer's Representative]*
Title/Position:	*[Insert Representatives title or position]*
Address:	*[Insert Employer's address, including email]*
RFQ Ref No.:	
Date of Quotation:	

Dear *[insert name of Employer's Representative]*:

SUBMISSION OF QUOTATION 1. Conformity and No Reservations

In response to the above named RFQ, we offer to execute the Works as per this Quotation and in conformity with the RFQ, Delivery and Completion Schedules and Technical Specifications. We confirm that we have examined and have no reservations to the RFQ, including the Contract.

2. Eligibility

We meet the eligibility requirements and have no conflict of interest, in accordance with the Request for Quotations.

3. Suspension and Debarment

We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Employer's Country laws or official regulations or pursuant to a decision of the United Nations Security Council.

4. Quotation Price

The total price of our offer is *[Insert one of the options below as appropriate]*

[Option 1, in case of one lot:] Total price is: *[insert the total quoted price in words and figures, indicating the various amounts and the respective currencies];*

Or

[Option 2, in case of multiple lots:] (a) Total price of each lot *[insert the total price of each lot in words and figures, indicating the various amounts and the respective currencies]*; and (b) Total price of all lots (sum of all lots) *[insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies]*; (c) *Cross-discount for award of more than one lot [indicate any cross discounts]*

5. Quotation Validity

Our Quotation shall be valid until the date specified in the RFQ, and it shall remain binding upon us and may be accepted at any time before it expires.

6. Performance Security *[delete if performance security is not required]*

If we are awarded the Contract, we commit to obtain a Performance Security in accordance with the RFQ.

7. Commissions, gratuities, fees

We have paid, or will pay the following commissions, gratuities, or fees with respect to this Quotation

[If none has been paid or is to be paid, indicate "none."]

Name of Recipient	Address	Reason	Amount

8. Not Bound to Accept

We understand that you reserve the right to:

a. accept or reject any Quotation and are not bound to accept the lowest evaluated cost Quotation, or any other Quotation that you may receive, and

b. annul the RFQ process at any time prior to the award of the Contract without incurring any liability to Contractors.

9. Fraud and Corruption

We hereby certify that we have taken steps to ensure that no person acting for us, or on our behalf, engages in any type of Fraud and Corruption.

On behalf of the Contractor:

Name of the person duly authorized to sign the Quotation on behalf of the Contractor: ***[insert complete name of person duly authorized to sign the Quotation]****

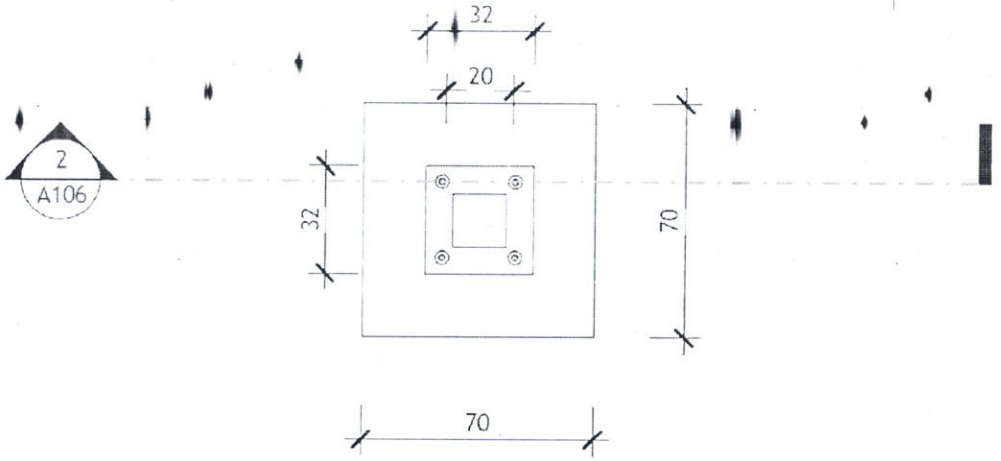
Title of the person signing the Quotation: ***[insert complete title of the person signing the Quotation]***

Signature of the person named above: ***[insert signature of person whose name and capacity are shown above]***

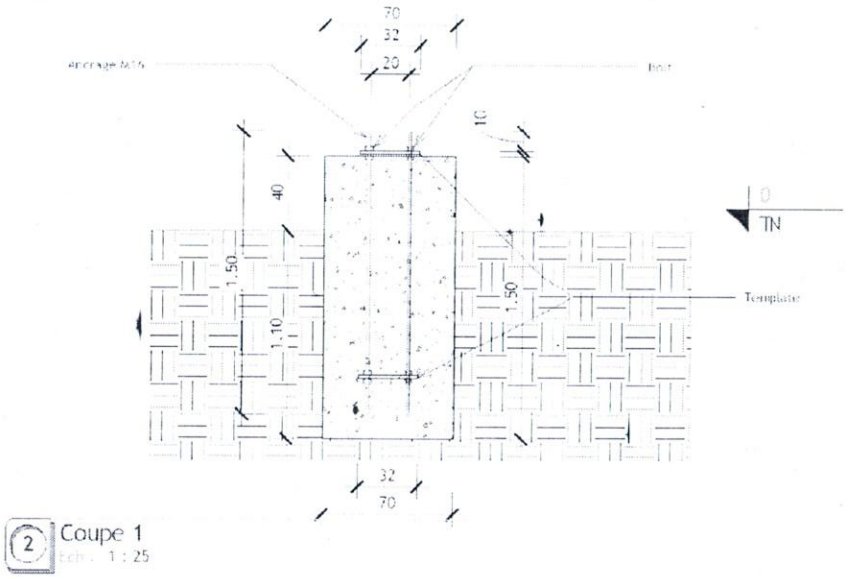
Date signed ***[insert date of signing]*** day of ***[insert month], [insert year]***

*The power of attorney shall be attached to the Quotation.

Drawings

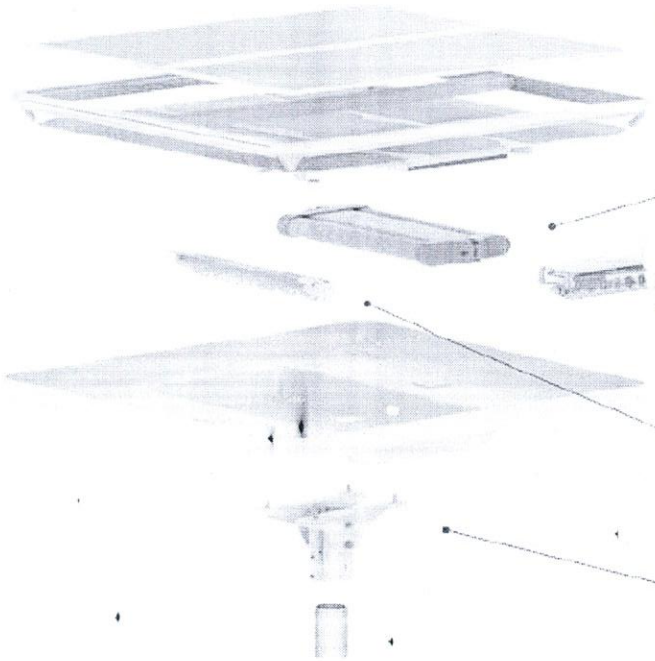


Foundation details



foundation

iSSL MAXI, LE LAMPADAIRE SOLAIRE TOUT EN UN ET CONNECTÉ



PANNEAUX SOLAIRES HORIZONTAUX
Dédié aux zones intertropicales.
Revêtement anti-poussière et autonettoyant.
Pas d'accumulation de poussière.

BATTERIE NIMH HAUTE PERFORMANCE
Durée de vie de 12 ans (constantes à 40°C)
selon les normes IEC 61427

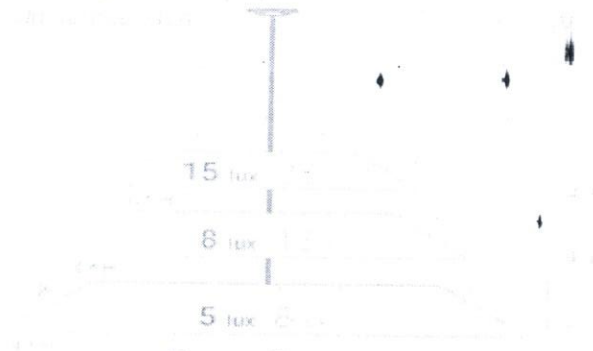
SUNNACORE
Système électronique connecté (bluetooth)
développé par Sunna Design

MODULE LED
Inclinable de 0° à 30°

ANTI VANDALISME
Vis antivol (optionnel),
panneaux solaires scellés

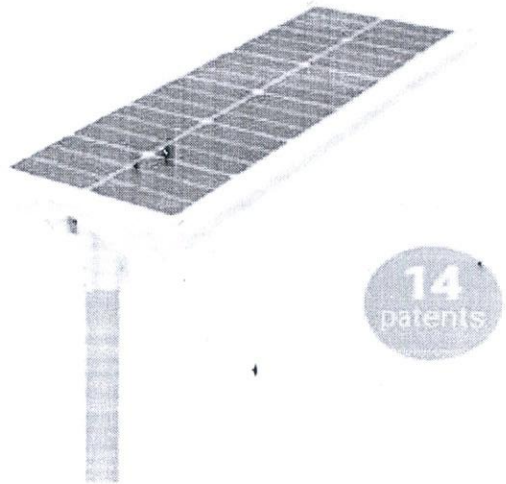
CARACTÉRISTIQUES

ISSL + ROAD



Flux lumineux 1600 2800* lumens

* Disponible avec détection de mouvement



14 patents

ECLAIRAGE	
Efficacité	164 lm/W
Température de couleur	5700K (5000K et 4000K disponible sur demande)
Durée de vie	50 000 heures (12 ans)
Puissance max	Up to 25W*
Puissance nominale	10W
Détecteur de mouvement	En option

* La livraison est dépendante de la puissance choisie

PANNEAUX PHOTOVOLTAIQUES	
Technologie	Panneaux photovoltaïques monocristallin
Puissance	50 Wp
Durée de vie	25 ans

BATTERIE	
Technologie	NiMH haute température Nickel hydrure métallique
Tension	12V
Autonomie	2 jours (puissance nominale)
Durée de vie	12 ans

GENERAL	
Dimensions	1050 x 375 x 105 mm
Fixation	Tête de mât, Ø60 mm
Poids	12 kg (sans le mât)
Protection	IP65
T°C de fonctionnement	-20°C to +70°C
Connectivité	Bluetooth
Monitoring à distance	En option

Schedules of unit prices

SCHEDULE OF UNIT PRICE FOR THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGES, FURU-AWA COUNCIL, MENCHUM DIVISION NORTH WEST REGION.

S/N	DESCRIPTION	UNIT	U.P IN WORDS	U.P IN FIGURES
	100 DATA COLLECTION , DESIGN, AND SITE INSTALLATION			
101	Site installation, mobilization and demobilisation of materials and equipments	LS		
102	Site clearance, setting out	LS		
103	Execution program and As built plan	LS		
	SUB TOTAL 100			
	200 EARTH WORKS			
201	Excavation of foundation pit	m3		
202	Backfilling of foundation pit	m3		
203	Reinforced concrete for footings 70cm /70cm dosed at 400kg/m3 of 1.5m depth with corrugated iron rods of 10mm and 27mm steel bulls and nuts for fitting	m3		
	SUB TOTAL 200			
	300 INSTALLATION OF PV COMPONENTS			
301	Supply and installation of PV Panels. Wp 150W,	U		
302	Supply and installation of galvanize pole of 7m height ,155mm bottom and 60mm top with bottom plate 80mm zinc for screen	U		
303	Supply and installation of lithium ions batteries. 12V, 54AH	U		
304	Supply and installation of 60w LED street lamp with 1500lux minimum	U		
305	Supply and installation of lithium ions batteries BOX. 12V, 54AH	U		
306	Supply and installation of 60w LED street lamp with 1500lux minimum	U		
307	Supply and installation of charge controller.20A-30A, 12 VOLTS.	U		

308	Supply and installation of solar panel tilts with an angle of 30decree inclination	U		
309	Supply and installation of cables and other accessories (All elements will be "All in one")	U		
	SUB TOTAL 300			
	400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES			
401	Production of code of conduct for workers	LS		
402	Sensitization and training of communities and works on Gender based violence and HIV/AIDS	LS		
403	Formation and training of solar plant maintenance committee	LS		
404	Provision of tool box for repairs and maintenance	U		
405	Provision of first AID box	U		
406	Personal Protective equipment for workers	LS		
407	Installation of Metallic funders information plate	U		
	SUB TOTAL 400			

Bill of Quantities

BILL OF QUANTITIES AND COST ESTIMATES FOR THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGES, FURU-AWA COUNCIL, MENCHUM DIVISION NORTH WEST REGION

S/N	DESCRIPTION	UNIT	QTY	U.P	AMOUNT
	100 DATA COLLECTION , DESIGN, AND SITE INSTALLATION				
101	Site installation, mobilization and demobilisation of materials and equipments	LS	1		
102	Site clearance, setting out	LS	1		
103	Execution program and As built plan	LS	1		
	SUB TOTAL 100				
	200 EARTH WORKS				
201	Excavation of foundation pit	m3	40.5		
202	Backfilling of foundation pit	m3	20.65		

308	Supply and installation of solar panel tilts with an angle of 30decree inclination	U		
309	Supply and installation of cables and other accessories (All elements will be "All in one")	U		
	SUB TOTAL 300			
	400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES			
401	Production of code of conduct for workers	LS		
402	Sensitization and training of communities and works on Gender based violence and HIV/AIDS	LS		
403	Formation and training of solar plant maintenance committee	LS		
404	Provision of tool box for repairs and maintenance	U		
405	Provision of first AID box	U		
406	Personal Protective equipment for workers	LS		
407	Installation of Metallic funders information plate	U		
	SUB TOTAL 400			

Bill of Quantities

BILL OF QUANTITIES AND COST ESTIMATES FOR THE EXECUTION OF ELECTRIFICATION WORKS USING SOLAR STREET LIGHTS IN BIANDO I, LUBU AND SAMBERI VILLAGES, FURU-AWA COUNCIL, MENCHUM DIVISION NORTH WEST REGION

S/N	DESCRIPTION	UNIT	QTY	U.P	AMOUNT
	100 DATA COLLECTION , DESIGN, AND SITE INSTALLATION				
101	Site installation, mobilization and demobilisation of materials and equipments	LS	1		
102	Site clearance, setting out	LS	1		
103	Execution program and As built plan	LS	1		
	SUB TOTAL 100				
	200 EARTH WORKS				
201	Excavation of foundation pit	m3	40.5		
202	Backfilling of foundation pit	m3	20.65		

203	Reinforced concrete for footings 70cm /70cm dosed at 400kg/m3 of 1,5m depth with corrugated iron rods of 10mm and 27mm steel bulls and nuts for fitting	m3	19.85		
	SUB TOTAL 200				
	300 INSTALLATION OF PV COMPONENTS				
301	Supply and installation of PV Panels. Wp 150W,	U	27		
302	Supply and installation of galvanize pole of 7m height ,155mm bottom and 60mm top with bottom plate 80mm zinc for screen	U	27		
303	Supply and installation of lithium ions batteries. 12V, 54AH	U	27		
304	Supply and installation of 60w LED street lamp with 1500lux minimum	U	27		
305	Supply and installation of lithium ions batteries BOX. 12V, 54AH	U	27		
306	Supply and installation of 60w LED street lamp with 1500lux minimum	U	27		
307	Supply and installation of charge controller.20A-30A, 12 VOLTS.	U	27		
308	Supply and installation of solar panel tilts with an angle of 30decree inclination	U	27		
309	Supply and installation of cables and other accessories (All elements will be "All in one")	U	27		
	SUB-TOTAL 300				
	400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES				
401	Production of code of conduct for workers	LS	1		
402	Sensitization and training of communities and works on Gender based violence and HIV/AIDS	LS	1		
403	Formation and training of solar plant maintenance committee	LS	1		
404	Provision of tool box for repairs and maintenance	U	1		
405	Provision of first AID box	U	1		
406	Personal Protective equipment for workers	LS	1		
407	Installation of Metallic funders information plate	U	3		

	SUB TOTAL 400				
	TOTAL WITHOUT TAXES				
	VAT (19.25%)				
	AIR (2.2% OR 5.5%)				
	TOTAL INCLUDING TAXES				
	NET PAYMENT				

THIS ESTIMATE IS CLOSED AT THE SUM OF ..... FCFA ALL TAXES INCLUSIVE

Item no.	*Description*	*Unit*	*Quantity (1)*	*Rate [insert local currency] (2)*	*Amount (3= (1) x (2))*	*Rate [insert a foreign currency, if applicable] (4)*	*Amount (5= (1) x (4))*
				Total			