

REPUBLIQUE DU CAMEROUN

*Paix - Travail - Patrie*

MINISTERE DE LA DECENTRALIZATION ET DU  
DEVELOPPEMENT LOCALE

REGION DU NORD OUEST  
DEPARTEMENT DE LA MEZAM

ARRONDISSEMENT DE BAMENDA II<sup>EME</sup>

COMMUNE DE BAMENDA II<sup>EME</sup>

P. O. BOX 495 MANKON

REF. N°      BIIC/VOL.1/SG/2025



REPUBLIC OF CAMEROON

*Peace - Work - Fatherland*

MINISTRY OF DECENTRALIZATION AND LOCAL  
DEVELOPMENT

NORTH WEST REGION  
MEZAM DIVISION

**BAMENDA II SUB-DIVISION**

**BAMENDA II COUNCIL**

P. O. BOX 495 MANKON

*Bamenda, the* \_\_\_\_\_

PROCUREMENT OF SMALL WORKS

## BAMENDA II COUNCIL INTERNAL TENDERS BOARD

### Request for Quotations

No. 04/RBP/NWR/BHC/BHCITB/ PROLOG/NWR 2025 OF ~~08~~<sup>08</sup>/09/2025 FOR  
THE INSTALLATION OF SOLAR STREET LIGHTS FROM SEVEN DOORS  
TO NGWAFO STREET TO BUM QUATER AND AT LOW-COST HOUSING IN  
STAMBAG QUATER IN BAMENDA II SUB DIVISION, MEZAM DIVISION OF  
THE NORTH WEST REGION BY EMMERGENCY PROCEDURE.

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

Project Owner: Mayor of Bamenda II Council

Country: Cameroon

Funding: IDA No. 72130- CM

STEP Contract Reference No.:

Issued on:

Re 22/09/25

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*Bamenda, the* \_\_\_\_\_

## BAMENDA II COUNCIL INTERNAL TENDERS BOARD

No. 04/RBP/NWR/BIIC/BIICITB/ PROLOG/NWR 2025 OF 08/09/2025 FOR  
THE INSTALLATION OF SOLAR STREET LIGHTS FROM SEVEN DOORS  
TO NGWAFO STREET TO BUM QUATER AND AT LOW-COST HOUSING IN  
NTAMBAG QUATER IN BAMENDA II SUB DIVISION, MEZAM DIVISION OF  
THE NORTH WEST REGION BY EMMERGENCY PROCEDURE

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 from Seven Doors to Ngwafo Street to Bum Quater and at Low-Cost Housing in Ntambag Quater in Bamenda II Subdivision Mezam Division of the North West Region.
3. The Mayor of the Bamenda II Council now invites Contractors to submit their Quotations for the Works. To this end, the Bamenda II Council intends to use part of the sums granted under this agreement to make the payments provided for under the contract relating to **THE ELECTRIFICATION WORKS WITH SOLAR STREETLIGHTS FROM SEVEN DOORS TO NGWAFO STREET TO BUM QUATER AND AT LOW-COST HOUSING IN NTAMBAG QUATER IN BAMENDA II SUBDIVISION MEZAM DIVISION OF THE NORTH WEST REGION.**

4. The execution period for the works is three (03) 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/debar>.
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:
- are legally and financially autonomous;
  - operate under commercial law; and
  - 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:
- directly or indirectly controls, is controlled by or is under common control with another Contractor that submitted a Quotation;
  - receives or has received any direct or indirect subsidy from another Contractor that submitted a Quotation;
  - has the same legal representative as another Contractor that submitted a Quotation;
  - 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
  - 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
  - or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower for implementing the Contract; or
  - 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
  - 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 (NOT APPLICABLE)**

13. Tenders must be accompanied by a bid guarantee issued by a first-class bank or a Non-banking establishment approved by the Ministry of Finance, the list of which appears at the end of the tender documents, for an amount of .....*CFA Francs per lot.*

**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.

**For administrative files:**

**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
- A certified copy of business license valid and less than 3 months
- An attestation of non-bankruptcy issued by the court
- Tax clearance certificate certifying that the bidder has made the required tax declarations within the last 90 days
- Certificated of non-exclusion from public contract
- CNPS certificate dates less than three months
- Categorization Certificate of Contractor (Mandatory)

- 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)
  - 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

- 10 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 **Bamenda II Council Building, SIGAMP OFFICE Cell Phone: +237 676244462 PO BOX: 495** 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 **Bamenda II Council** or the **PROLOG PMU/RCU** or via the internet link indicated in the invitation to tender.

All bids will be accepted only if they present a receipt for payment of ..... CFA francs, non-refundable, to the treasury of the Bamenda II Council.

Tenders must be delivered to the **Bamenda II Council, Cell Phone: +237676244462 PO BOX: 495** located **OLD TOWN OPPOSITE JUDICIAL POLICE STATION**, no later than 29/09/2025 at 10:00am, 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 quotation Notice No.04/RFQ/BIIC/BIICITB/MINDDEVE/PROLOG/NWR/2025 OF .../09/2025 FOR THE INSTALLATION OF SOLAR STREET LIGHTS FROM SEVEN DOORS TO NGWAFO STREET TO BUM QUATER AND AT LOW-COST HOUSING IN NTAMBAG QUATER IN BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION BY EMMERGENCY PROCEDURE**

**NOT TO BE OPENED UNTIL THE COUNTING SESSION"**

**Submission of tenders by electronic means will not be permitted.** 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 29 /09/2025 on at 11:00am in the conference room of the **Bamenda II Council's Internal Tender's Board**.

21. The deadline for submission of Quotations is [*insert time, 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 **Bamenda II 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	<b>Presentation of the offer</b>	
	Compliance with the order prescribed in the RFQ with separators	Yes/no
	Readability and numbering	Yes/no
2	<b>References in similar projects</b>	
	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

	<b>Quality of staff</b>	
	<b>Works director</b>	
	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 $\geq 3$ years of experience in a similar field	Yes/no
3	<b>Foreman</b>	
	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 $\geq 2$ years of experience in a similar field	Yes/no
4	<b>Construction Equipment</b>	
	List of small equipment consistent with the tasks (produce photocopies of purchase invoices or rental invoices)	Yes/no
5	<b>Methodology for carrying out the work</b>	
	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 $\leq$ 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
9	Site visit report justified with photos and a thorough description of the site	Yes/no
	Total	..... /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 means [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.

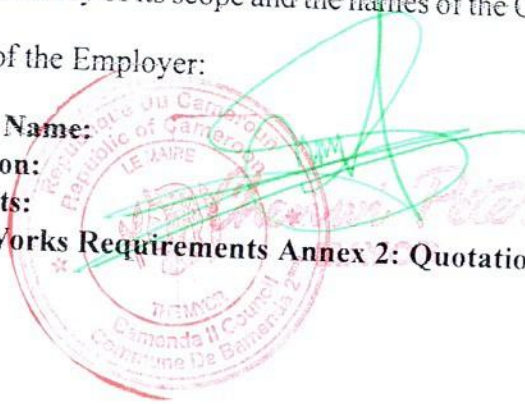
On behalf of the Employer:

Signature: Name:

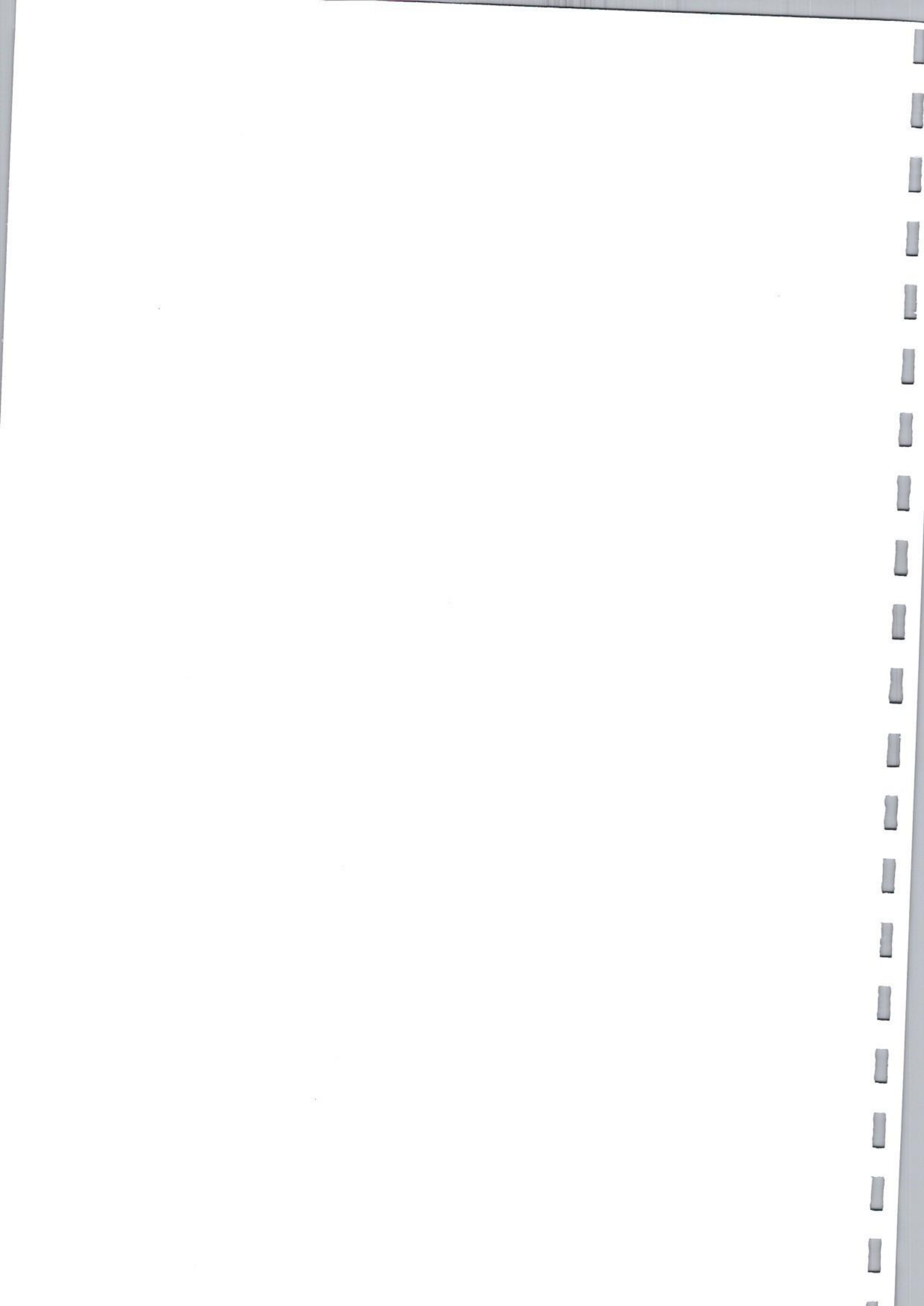
Title/position:

Attachments:

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



- (a) La Banque exige le respect de ses directives anti-corruption et de ses politiques et procédures de sanctions en vigueur, telles qu'énoncées dans le cadre de sanctions du Groupe de la Banque mondiale, figurant à l'annexe A des conditions contractuelles.
- (b) Conformément à cette politique, les entrepreneurs doivent autoriser et faire en sorte que leurs agents (déclarés ou non), sous-traitants, sous-consultants, prestataires de services, fournisseurs et personnel autorisent la Banque à inspecter tous les comptes, registres et autres documents relatifs à la demande de devis et à l'exécution du contrat (en cas d'attribution), et à les faire vérifier par des auditeurs désignés par la Banque.
- **Matériaux, équipements et services éligibles**  
 Les matériaux, équipements et services à fournir dans le cadre du contrat et financés par la Banque peuvent provenir de n'importe quel pays, sous réserve du paragraphe 9. À la demande de l'employeur, les entrepreneurs peuvent être tenus de fournir des preuves de l'origine des matériaux, équipements et services.
- **Entrepreneurs éligibles**  
 Si le contractant est une coentreprise (JV), tous les membres sont solidairement responsables de l'exécution de l'ensemble du contrat conformément aux termes de celui-ci. La JV désigne un représentant qui est habilité à mener toutes les activités pour le compte et au nom de tous les membres de la JV pendant le processus d'appel d'offres et, si la JV remporte le contrat, pendant l'exécution du contrat.  
 Un entrepreneur peut avoir la nationalité de n'importe quel pays, sous réserve des restrictions prévues aux paragraphes 8 et 9 ci-dessous. Un contractant est réputé avoir la nationalité d'un pays s'il est constitué, enregistré ou enregistré dans ce pays et s'il exerce ses activités conformément aux dispositions de la législation de ce pays, comme en témoignent ses statuts (ou documents équivalents de constitution ou d'association) et ses documents d'enregistrement, selon le cas. Ce critère s'applique également à la détermination de la nationalité des sous-traitants ou sous-consultants proposés pour toute partie du contrat, y compris les services connexes.
- Les entreprises et les particuliers peuvent être inéligibles si cela est indiqué au paragraphe 9 ci-dessous et si :
  - (a) En vertu de la loi ou de la réglementation officielle, le pays de l'emprunteur interdit les relations commerciales avec ce pays, à condition que la Banque soit convaincue que cette exclusion n'empêche pas une concurrence effective pour la fourniture des biens ou la passation des marchés de travaux ou de services reçus ; ou
  - (b) En vertu d'une décision du Conseil de sécurité des Nations Unies prise en vertu du chapitre VII de la Charte des Nations Unies, le pays de l'emprunteur interdit toute importation de biens ou tout contrat de travaux ou de services provenant de ce pays, ou tout paiement à un pays, une personne ou une entité de ce pays.
- En référence aux paragraphes 5 et 7, pour information des entrepreneurs, à l'heure actuelle, les entreprises, les biens et les services provenant des pays suivants sont exclus du présent processus de passation de marchés :
  - En vertu des paragraphes 5 et 8 (a) : [insérer une liste des pays après approbation par la Banque de l'application de la restriction ou indiquer « aucun »].
  - En vertu des paragraphes 5 et 8 (b) : [insérer une liste des pays après approbation par la Banque de l'application de la restriction ou indiquer « aucun »].
  - Un entrepreneur qui a été sanctionné par la Banque, conformément à ses directives anti-corruption, en vertu de ses politiques et procédures de sanctions en vigueur, telles que définies dans le cadre



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ARRONDISSEMENT DE BAMENDA II<sup>EME</sup>

COMMUNE DE BAMENDA II<sup>ENL</sup>

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*Bamenda, the* \_\_\_\_\_

## PASSATION DES MARCHES DES PETITS TRAVAUX

### COMMISSION INTERNE DE PASSATION DES MARCHÉS COMMUNE DE BAMENDA II

DEMANDE DE Cotation N° 04/RFQ/BIIC/BIICITB/MINDDEVEL/ PROLOG/ NWR/ 2025 DU  
02/09/2025 POUR L'INSTALLATION DE LAMPADAIRES SOLAIRES DE SEVEN DOORS À  
NGWAFO STREET JUSQU'AU QUARTIER BUM ET DANS LES LOGEMENTS À BAS PRIX  
DU QUARTIER NTAMBAG DANS L'ARRONDISSEMENT DE BAMENDA II,  
DÉPARTEMENT DE MEZAM, RÉGION DU NORD-OUEST, PAR PROCÉDURE  
D'URGENCE

Madame, Monsieur,

Demande de Cotation (RFQ)

- Le gouvernement de la République du Cameroun a obtenu de la Banque mondiale l'accord de crédit IDA n° 72130 - CM pour financer le coût du PROJET DE GOUVERNANCE LOCALE ET DE COMMUNAUTÉS RÉSILIENTES (PROLOG) et a l'intention d'utiliser une partie du montant de ce crédit pour effectuer les paiements autorisés dans le cadre du contrat pour lequel la présente demande de devis est publiée.
- La réalisation dudit projet comprend pour l'installation de lampadaires solaires de seven doors à ngwafo street jusqu'au quartier bum et dans les logements à bas prix du quartier ntambag dans l'arrondissement de BAMENDA II, département de mezam, région du nord-ouest.
- Le maire du Commune de Bamenda II invite désormais les entrepreneurs à soumettre leurs devis pour les travaux. À cette fin, la Commune de Bamenda II a l'intention d'utiliser une partie des sommes accordées au titre du présent accord pour effectuer les paiements prévus dans le contrat relatif à la.....
- La durée d'exécution des travaux est de trois (03) mois.
- Fraude et corruption

- (a) La Banque exige le respect de ses directives anti-corruption et de ses politiques et procédures de sanctions en vigueur, telles qu'énoncées dans le cadre de sanctions du Groupe de la Banque mondiale, figurant à l'annexe A des conditions contractuelles.
- (b) Conformément à cette politique, les entrepreneurs doivent autoriser et faire en sorte que leurs agents (déclarés ou non), sous-traitants, sous-consultants, prestataires de services, fournisseurs et personnel autorisent la Banque à inspecter tous les comptes, registres et autres documents relatifs à la demande de devis et à l'exécution du contrat (en cas d'attribution), et à les faire vérifier par des auditeurs désignés par la Banque.

- **Matériaux, équipements et services éligibles**

les matériaux, équipements et services à fournir dans le cadre du contrat et financés par la Banque peuvent provenir de n'importe quel pays, sous réserve du paragraphe 9. À la demande de l'employeur, les entrepreneurs peuvent être tenus de fournir des preuves de l'origine des matériaux, équipements et services.

- **Entrepreneurs éligible**

Si le contractant est une coentreprise (JV), tous les membres sont solidairement responsables de l'exécution de l'ensemble du contrat conformément aux termes de celui-ci. La JV désigne un représentant qui est habilité à mener toutes les activités pour le compte et au nom de tous les membres de la JV pendant le processus d'appel d'offres et, si la JV remporte le contrat, pendant l'exécution du contrat.

- Un entrepreneur peut avoir la nationalité de n'importe quel pays, sous réserve des restrictions prévues aux paragraphes 8 et 9 ci-dessous. Un contractant est réputé avoir la nationalité d'un pays s'il est constitué, enregistré ou enregistré dans ce pays et s'il exerce ses activités conformément aux dispositions de la législation de ce pays, comme en témoignent ses statuts (ou documents équivalents de constitution ou d'association) et ses documents d'enregistrement, selon le cas. Ce critère s'applique également à la détermination de la nationalité des sous-traitants ou sous-consultants proposés pour toute partie du contrat, y compris les services connexes.
- Les entreprises et les particuliers peuvent être inéligibles si cela est indiqué au paragraphe 9 ci-dessous et si :
  - (a) En vertu de la loi ou de la réglementation officielle, le pays de l'emprunteur interdit les relations commerciales avec ce pays, à condition que la Banque soit convaincue que cette exclusion n'empêche pas une concurrence effective pour la fourniture des biens ou la passation des marchés de travaux ou de services requis ; ou
  - (b) En vertu d'une décision du Conseil de sécurité des Nations Unies prise en vertu du chapitre VII de la Charte des Nations Unies, le pays de l'emprunteur interdit toute importation de biens ou tout contrat de travaux ou de services provenant de ce pays, ou tout paiement à un pays, une personne ou une entité de ce pays.
- En référence aux paragraphes 5 et 7, pour information des entrepreneurs, à l'heure actuelle, les entreprises, les biens et les services provenant des pays suivants sont exclus du présent processus de passation de marchés :
  - En vertu des paragraphes 5 et 8 (a) : [insérer une liste des pays après approbation par la Banque de l'application de la restriction ou indiquer « aucun »].
  - En vertu des paragraphes 5 et 8 (b) : [insérer une liste des pays après approbation par la Banque de l'application de la restriction ou indiquer « aucun »].
- Un entrepreneur qui a été sanctionné par la Banque, conformément à ses directives anticorruption, en vertu de ses politiques et procédures de sanctions en vigueur telles que définies dans le cadre

de sanctions du Groupe de la Banque mondiale décrit à l'annexe des conditions contractuelles (annexe A), paragraphe 2.2 d., ne sera pas autorisé à soumettre des offres, à se voir attribuer un contrat financé par la Banque ou à bénéficier d'un contrat financé par la Banque, financièrement ou autrement, pendant la période déterminée par la Banque. La liste des entreprises et des personnes exclues est disponible sur le site web externe de la Banque : <http://www.worldbank.org/debar>.

- Les entrepreneurs qui sont des entreprises ou des institutions publiques dans le pays de l'employeur ne peuvent être autorisés à soumissionner et à se voir attribuer un ou plusieurs contrats que s'ils peuvent établir, d'une manière acceptable pour la Banque, qu'ils :
  - a) ils sont juridiquement et financièrement autonomes ;
  - b) opèrent en vertu du droit commerciale et
  - c) ne sont pas sous la supervision de l'employeur.
  
- Un contractant ne doit pas se trouver en situation de conflit d'intérêts. Tout contractant se trouvant en situation de conflit d'intérêts sera disqualifié. Un contractant peut-être considéré comme se trouvant en situation de conflit d'intérêts aux fins du présent processus d'appel d'offres si :
  - (a) il contrôle directement ou indirectement, est contrôlé par ou est sous contrôle commun avec un autre entrepreneur ayant soumis une offre ;
  - (b) il reçoit ou a reçu une subvention directe ou indirecte d'un autre contractant ayant soumis une offre ;
  - (c) il a le même représentant légal qu'un autre entrepreneur ayant soumis une offre ;
  - (d) Entretient, directement ou par l'intermédiaire de tiers communs, une relation avec un autre entrepreneur ayant soumis une offre qui le place en position d'influencer l'offre d'un autre entrepreneur ou d'influencer les décisions de l'employeur concernant le processus d'appel d'offres ; ou
  - (e) ou l'une de ses filiales a participé en tant que consultant à la préparation de la conception ou des spécifications techniques des travaux faisant l'objet du processus d'appel d'offres ; ou
  - (f) ou l'une de ses filiales a été engagée (ou est proposée pour être engagée) par l'Employeur ou l'Emprunteur pour la mise en œuvre du Contrat ; ou
  - (g) fournirait des biens, des travaux ou des services autres que des services de conseil résultant de, ou directement liés à, des services de conseil pour la préparation ou la mise en œuvre du projet spécifié dans la présente demande de devis, qui ont été fournis par une filiale qui contrôle directement ou indirectement, est contrôlée par, ou est sous contrôle commun avec cette entreprise ; ou
  - (h) entretient des relations commerciales ou familiales étroites avec un membre du personnel professionnel de l'Emprunteur (ou de l'agence chargée de la mise en œuvre du projet, ou d'un bénéficiaire d'une partie du prêt) qui : (i) est directement ou indirectement impliqué dans la préparation de la demande de devis ou du cahier des charges et/ou dans l'évaluation des devis du Contrat en question ; ou (ii) serait impliqué dans la mise en œuvre ou la supervision dudit contrat, à moins que le conflit découlant de cette relation n'ait été résolu d'une manière acceptable pour la Banque tout au long du processus d'appel d'offres et de l'exécution du contrat.
  
- **Garantie de bonne exécution (sans objet)**  
 Les offres doivent être accompagnées d'une garantie de soumission émise par une banque de premier ordre ou un établissement non bancaire agréé par le ministère des Finances, dont la liste figure à la fin du dossier d'appel d'offres, pour un montant de ..... *Francs CFA*

- **Validité des offres**

Les offres seront valables pendant quatre-vingt-dix (90) jours calendaires à compter de l'ouverture des offres.

- **Prix**

Le contractant doit indiquer le prix total dans le formulaire intitulé « Devis du contractant ».

(a) *Le contractant doit également indiquer ses tarifs et prix pour tous les éléments des travaux décrits dans le devis quantitatif ci-joint. Les éléments pour lesquels aucun tarif ou prix n'est indiqué par le contractant ne seront pas payés par l'employeur lors de l'exécution et seront considérés comme couverts par les tarifs des autres éléments et les prix indiqués dans le devis quantitatif.*

*Les tarifs et les prix doivent inclure tous les droits, taxes et autres prélèvements payables par l'entrepreneur en vertu du contrat, à la date fixée à 7 (sept) jours avant la date limite de soumission des devis.*

**Option 2 - Contrats à prix forfaitaire**

(b) *L'entrepreneur doit également remplir une ventilation de son prix forfaitaire dans les calendriers d'activité joints. Le prix proposé doit inclure tous les droits, taxes et autres prélèvements payables par l'entrepreneur en vertu du contrat, à la date de 7 (sept) jours avant la date limite de soumission des devis.*

- Un contractant qui prévoit d'engager des dépenses dans d'autres devises pour des intrants de tines aux travaux fournis depuis l'extérieur du pays de l'employeur et qui souhaite être payé en conséquence doit indiquer une devise étrangère de son choix en plus de la devise locale [insérer la devise locale].

- La ou les devises de l'offre et la ou les devises de paiement doivent être identiques.

- **Proposition technique**

Le contractant doit fournir une proposition technique comprenant une description des méthodes de travail, des équipements, du personnel, du calendrier et toute autre information pertinente, suffisamment détaillée pour démontrer que sa proposition répond aux exigences des travaux et au délai d'exécution.

**Pour les dossiers administratifs :**

**Le soumissionnaire doit joindre les documents suivants à son offre, conformément à la législation camerounaise**

- (a) Engagement du soumissionnaire tamponné, signé et daté conformément au modèle joint
- (b) Une attestation de non-faillite délivrée par le tribunal
- (c) Une attestation de conformité fiscale valable moins de trois mois
- (d) Certificat de non-exclusion des marchés publics
- (e) Certificat CNPS datant de moins de trois mois
- (f) Attestation de compte bancaire du soumissionnaire délivrée par une banque ou tout autre établissement de crédit de premier ordre agréé par le ministère chargé des finances
- (g) Attestation d'immatriculation (NIU)
- (h) Attestation de catégorisation de l'entrepreneur
- (i) Certificat de visite du site et rapport signé sur l'honneur par le soumissionnaire + Un accord de regroupement signé par un notaire sera exigé en cas de regroupement.

Tous les documents ci-dessus doivent être en règle, datés et signés par les autorités compétentes et datés de moins de trois (03) mois. Exception :

- CCTP dûment paraphé sur chaque page, signé et daté sur la dernière page par l'entreprise

Dans le cas d'une candidature groupée, chacun des documents requis ci-dessus doit être fourni par chaque membre du groupement à l'exception du reçu, qui sera fourni uniquement par le mandataire.

*Remarque: il convient de noter que les documents administratifs mentionnés ci-dessus doivent dater de moins de trois (03) mois et être présentés sous forme d'originaux ou de copies certifiées conformes par l'autorité compétente qui les a délivrés. L'absence de tout ou partie des documents ci-dessus n'entraînera pas le rejet de l'offre au moment de l'évaluation. Toutefois, ils seront exigés lors de l'attribution du marché.*

- **Clarifications**

Toute demande de clarification concernant la présente demande de devis peut être envoyée par écrit à [insérer : nom et adresse électronique du représentant de l'employeur] avant le [insérer la date et l'heure]. L'employeur transmettra des copies de sa réponse à tous les entrepreneurs, y compris une description de la demande, mais sans en identifier la source.

- **Soumission des devis**

Les soumissionnaires éligibles invités peuvent obtenir de plus amples informations auprès du **coomune de Bamenda II** téléphone portable : **+237676244462**, et consulter le dossier d'appel d'offres pendant les heures de bureau, du lundi au vendredi, de 9 h à 15 h (GMT+1).

Dès la publication de l'appel d'offres, les documents d'attribution du marché (dossier d'appel d'offres) seront mis à la disposition de tous les soumissionnaires, soit à leur demande auprès du **Bamenda II** ou de la **PMU/RCU PROLOG**, soit via le lien Internet indiqué dans l'appel d'offres.

Toutes les offres ne seront acceptées que si elles sont accompagnées d'un reçu de paiement de **30 000 francs CFA**, non remboursables, au trésor de la Commune de Bamenda II.

Les offres doivent être remises au **Conseil municipal de Bamenda II**, téléphone portable : **+237676244462**, PO BOX :495 Bamenda situé à **OLD TOWN** , au plus tard le **29/09/2025** à 10 heures précises, en sept (07) exemplaires (dont un (01) original et six (06) copies, plus une clé USB contenant le PDF numérique et la version modifiable) dans des enveloppes scellées portant la mention :

« DEMANDE DE COTATION N° 04/RFQ/BIIC/BIICITB/MINDDEVEL/PROLOG/NWR/2025 DU **29/09/2025** POUR L'INSTALLATION DE LAMPADAIRES SOLAIRES DE SEVEN DOORS À NGWAFO STREET JUSQU'AU QUARTIER BUM ET DANS LES LOGEMENTS À BAS PRIX DU QUARTIER NTAMBAG DANS L'ARRONDISSEMENT DE BAMENDA II, DÉPARTEMENT DE MEZAM, RÉGION DU NORD-OUEST, PAR PROCÉDURE D'URGENCE

- **La soumission des offres par voie électronique ne sera pas autorisée.** Toute offre arrivant après la date limite de soumission sera rejetée. Les offres seront ouvertes en présence des représentants des soumissionnaires à l'adresse susmentionnée, le ..../.../2025 à 10 heures précises dans la salle de conférence de la Commission interne de Passation des Marches de la Commune de Bamenda II
- La date limite de soumission des devis est fixée au [...../.../2025 à 10 heures précises]
- L'adresse pour la soumission des devis est la suivante :  
À l'attention de : *[insérer le nom complet de la personne, le cas échéant]*  
Adresse e-mail : ou lien vers le système d'approvisionnement électronique
- **Ouverture des offres**
- Les offres seront ouvertes par la **Commission interne de Passation des Marches de la Commune de Bamenda II** immédiatement après la date limite de soumission des offres.
- **Evaluation des offres**  
Les offres seront évaluées afin de s'assurer de la conformité de la proposition technique.
  35. Vérification que la lettre d'offre est correctement remplie, datée et signée avec le nom et le titre du signataire ;
  36. Vérification que le barème des prix unitaires et l'offre quantitative et descriptive sont dûment remplis, datés et signés ;
  37. Évaluation de la qualification technique de chaque offre admissible selon la grille d'évaluation des offres ; *[Insérer ce qui suit s'il y a plusieurs lots : « Les offres seront évaluées lot par lot, en tenant compte des remises offertes, le cas échéant, après avoir examiné toutes les combinaisons possibles de lots ».*

### GRILLE D'ÉVALUATION

N°	Description	NOTATION
1	<b>Présentation de l'offre</b>	
	Conformité avec l'ordre prescrit dans la demande de devis avec séparateurs	Oui/Non
	Lisibilité et numérotation	Oui/Non
2	<b>Références dans des projets similaires</b>	
	Liste des références pour les 5 dernières années (dates)	Oui/Non
	Fournir au moins 2 références de travaux similaires réalisés (justifiées par la première et la dernière page du contrat + rapport d'acceptation ou certificat d'achèvement)	Oui/Non
3	<b>Qualité du personnel</b>	
	<b>Directeur des travaux</b> ; au moins un baccalauréat en génie civil avec au moins cinq ans d'expérience	Oui/Non
	<b>Contremaître de chantier</b> : au moins un diplôme national supérieur en génie civil avec au moins trois ans d'expérience	Oui/Non
	<i>NB : chaque « oui » obtenu doit être justifié par une copie certifiée conforme du diplôme et une pièce d'identité signée et datée.</i>	
	<b>Équipements/outils du chantier</b>	

4	Au moins une camionnette avec ses documents d'identification (copie certifiée conforme des documents de propriété ou copie certifiée conforme du contrat/accord de location)	Oui/Non
	Liste des petits équipements nécessaires à l'exécution des tâches (fournir des photocopies des factures d'achat ou de location)	Oui/Non
6	<b>Méthodologie pour la réalisation des travaux</b>	
	Note technique détaillée concernant l'organisation des travaux	Oui/Non
	Description des règles de protection socio-environnementale (protection de l'environnement, sécurité, santé et hygiène du personnel du site)	Oui/Non
	Calendrier détaillé des travaux avec des délais $\leq$ cent vingt jours (120) jours	Oui/Non
7	Livret des clauses techniques spéciales, paraphé à chaque page, daté et signé à la dernière page	Oui/Non
8	Livret des clauses environnementales et sociales, paraphé à chaque page, daté et signé à la dernière page	Oui/Non
	Livret des clauses administratives spéciales, paraphé à chaque page, daté et signé à la dernière page	Oui/Non
9	Rapport de visite du site (justifié par des photos et une description détaillée du site)	Oui/Non
	<b>Total</b>	..... /15

NB : Seules les offres ayant obtenu un total de 12 votes positifs sur 15 seront acceptées pour la prochaine étape de la procédure.

- Vérification des opérations arithmétiques, multiplication des prix unitaires par les quantités le cas échéant et utilisation du prix en lettres pour apporter les corrections nécessaires ;
- Préparation d'un tableau récapitulatif des offres sur la base des montants corrigés des éventuelles erreurs arithmétiques, classés par ordre croissant.

Aux fins de l'évaluation et de la comparaison, la ou les devises des offres doivent être converties dans la même devise. La devise à utiliser à des fins de comparaison au taux de change vendeur sera la suivante : franc CFA (XAF). La source du taux de change est la Banque des États de l'Afrique centrale (BEAC). La date du taux de change est : vingt-huit (28) jours avant la date de soumission des offres. (NB : Si la devise de référence n'est pas cotée à cette date, le taux de change sera celui du dernier jour précédemment coté).

Pour les offres techniquement conformes, les prix évalués totaux, à l'exclusion des montants provisoires et de toute provision pour imprévus, mais incluant les travaux internes lorsque leurs prix sont fixés de manière concurrentielle, seront ensuite comparés afin de déterminer le ou les prix évalués les plus bas.

#### • Attribution du marché

*[Sélectionnez l'une des deux options ci-dessous]*

*[Option 1 - Pour un lot unique]*

Le contrat sera attribué au contractant qui remplit les conditions d'éligibilité conformément à la demande de devis, propose le(s) prix évalué(s) le(s) plus bas, présente une offre techniquement conforme et garantit l'achèvement des travaux à la date spécifiée.

*[Option 2 - Pour plusieurs lots]*

- Les contrats seront attribués au ou aux entrepreneurs qui remplissent les conditions d'éligibilité conformément à la demande de devis, qui proposent un devis techniquement conforme, qui garantissent l'achèvement des travaux à la date spécifiée et qui proposent le prix évalué le plus bas à l'employeur pour l'ensemble des lots. »]
- L'employeur invitera par les moyens les plus rapides [par exemple, par courrier électronique] le ou les entrepreneurs retenus à toute discussion [qui devrait être virtuelle compte tenu de la situation d'urgence] qui pourrait être nécessaire pour conclure le contrat ou pour la signature du contrat.
- L'employeur communiquera par les moyens les plus rapides aux autres entrepreneurs sa décision d'attribution du contrat. Un entrepreneur non retenu peut demander des éclaircissements sur les raisons pour lesquelles son devis n'a pas été retenu. L'employeur répondra à cette demande dans un délai raisonnable.
- L'Employeur publiera un avis d'attribution du contrat sur son site web en libre accès, s'il existe, ou dans un journal à diffusion nationale ou sur le site web de la BANU, dans les 15 (quinze) jours suivant l'attribution du contrat. Les informations comprendront le nom du Contractant retenu, le prix du contrat, la durée du contrat, un résumé de son champ d'application et les noms des Contractants ainsi que leurs prix proposés et évalués.

Au nom de l'Employeur :

**Signature :**

**Nom :**

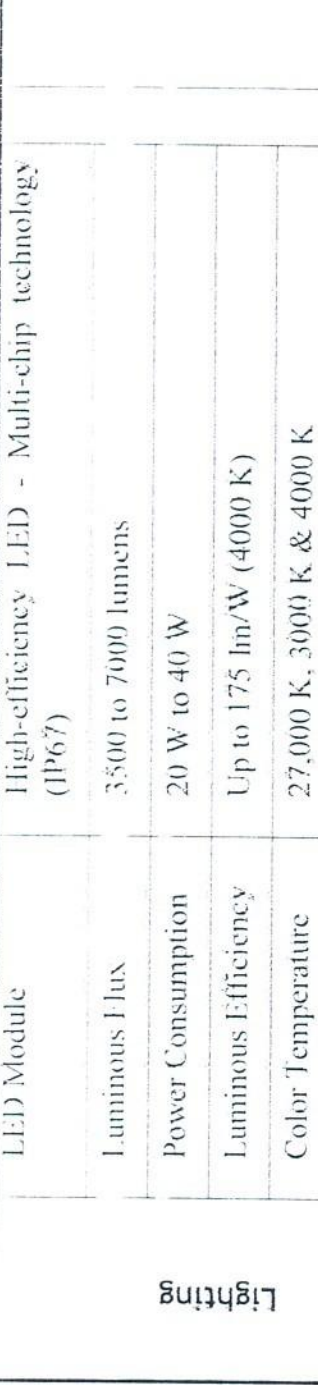
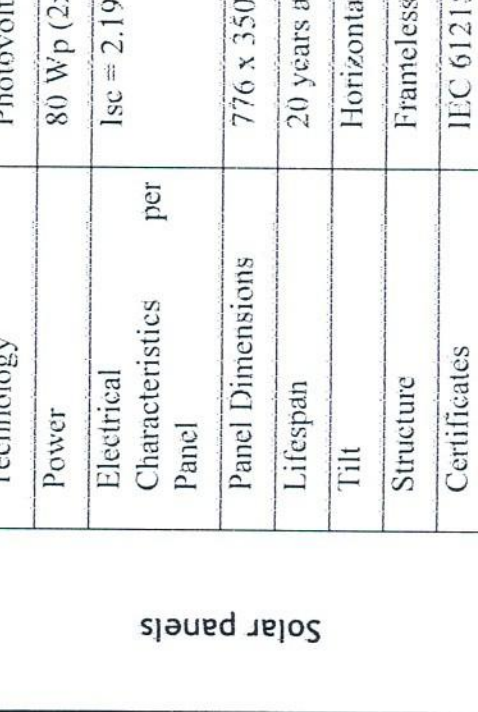
**Titre/fonction :**

**Pièces jointes :**



# ANNEX I: Works Requirements Specifications

## FEATURES OF ALL IN ONE SOLAR STREET LIGHT

Item	Technical Description	Images	
Lighting	LED Module		
	Luminous Flux		High-efficiency LED - Multi-chip technology (IP67)
	Power Consumption		3,500 to 7000 lumens
	Luminous Efficiency		20 W to 40 W
	Color Temperature		Up to 175 lm/W (4000 K)
	Lifespan		27,000 K, 3000 K & 4000 K
	Certifications		50,000 hours EN 62031, EN 62471
Solar panels	Technology		
	Power		Photovoltaic module (monocrystalline silicon) 80 Wp (2x40 Wp)
	Electrical Characteristics per Panel		Isc = 2.19 A/Voc = 24.17 V/Imp = 2.01 A/m
	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
	Communication	Bluetooth
	Input Voltage	24 V
	Open Circuit Voltage	45 V
	Maximum Charge/Discharge Current	4.2 A
Electronic	Electrical Protection	Electronic fuse
	Water Resistance	IP65 with waterproof connectors
	Certifications	CE, EN 61000
	Materials	ABS PMMA cover (70% recycled) and aluminum
	SCx	0.147 m <sup>2</sup>
General	Mounting	60 mm top mounting
	Weight (Excluding Mat)	19 kg
	Motion Detector (Required)	Detection radius: 5 to 10 m depending on the installation height

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

## TECHNICAL SPECIFICATIONS (STS)

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## Chapter I: General Provisions

### Article 1: Purpose of the TSP

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 work covered by this contract involves the installation **OF SOLAR STREET LIGHTS IN BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION BY EMERGENCY PROCEDURE**

### 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 EN 60904-3 (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/m<sup>2</sup>/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):

<b>General information</b>	Energy requirements (Wh/day)		
	Solar irradiation (kWh/m <sup>2</sup> /day)		
	Nominal voltage (V)		
	Illumination efficiency		
	PV generator efficiency		
	Battery efficiency		
	Converter efficiency		
	Regulator efficiency		
Battery depth of discharge			
<b>PHOTOVOLTAIC GENERATOR</b>	Correction factor		
	Peak power (kW)		
	<b>MODULES</b>	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 :				
Subdivision :				
Division :				
Region :				
Number of street lamps :				
PHOTOVOLTAIC GENERATOR		Exigency of the RFQ	Proposat 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)			

		Number of modules in series		
		Number of branches		
	Total power			
	Photovoltaic field current (A)			
BATTERY	Autonomy			
	Storage capacity (Ah)			
	BATTERY	Capacity		
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Solar Pannel	Mark			
	Type			
	Capacity			
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	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			
<b>BASE PLATE</b>				
	Material			
	Height of iron pole			
	Setting up			
	Interval			
<b>LIGHTING</b>				
	Mark			
	Type			
	Capacity			
	Maximum luminous flux power			
	Luminous efficacy			
	Battery life with a fully charged battery			
	Temperature resistance			
	Fixture life			
	Bathitub (shape or orientation)			
	Control device (specify)			
<b>MAINTENANCE CYCLE AND GUARANTEE</b>				
	Recommended battery replacement after (specify number of years)			
	Recommended lamp replacement after (specify number of years)			
	Year	Percentage		

Guarantee of solar production after the percentage of guaranteed production)	Year	Percentage		
	Year	Percentage		
	Year	Percentage		
<b>FIXING THE LAMP POSTS</b>				
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 (OWNED)
2 -	Shovels	Propriety
3 -	Clamps	Propriety

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#### **SET OF SMALL CONSTRUCTION EQUIPMENT**

N°	DESCRIPTION	Mode of acquisition
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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 $\leq$ 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) MODEL OF ENVIRONMENTAL AND SOCIAL PROVISIONS (ESP)

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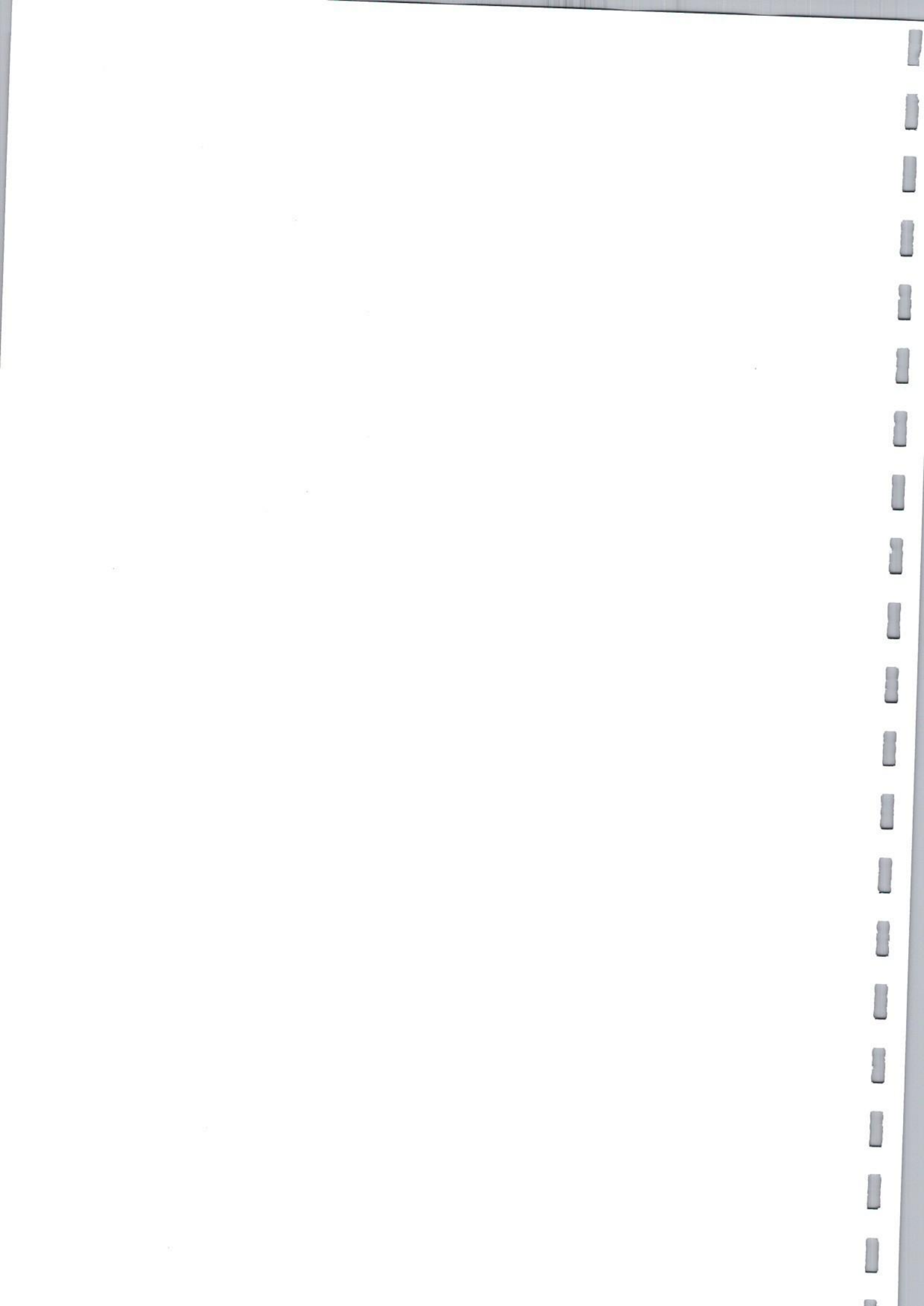
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## LIST OF ACRONYMS AND ABBREVIATIONS

ILO	International Labour Office
ESP	Environmental and Social Provisions
STS	Special Technical Specifications
ESMF	Environmental and Social Management Framework
IPPF	Indigenous Peoples Planning Framework
RPF	Resettlement Policy Framework



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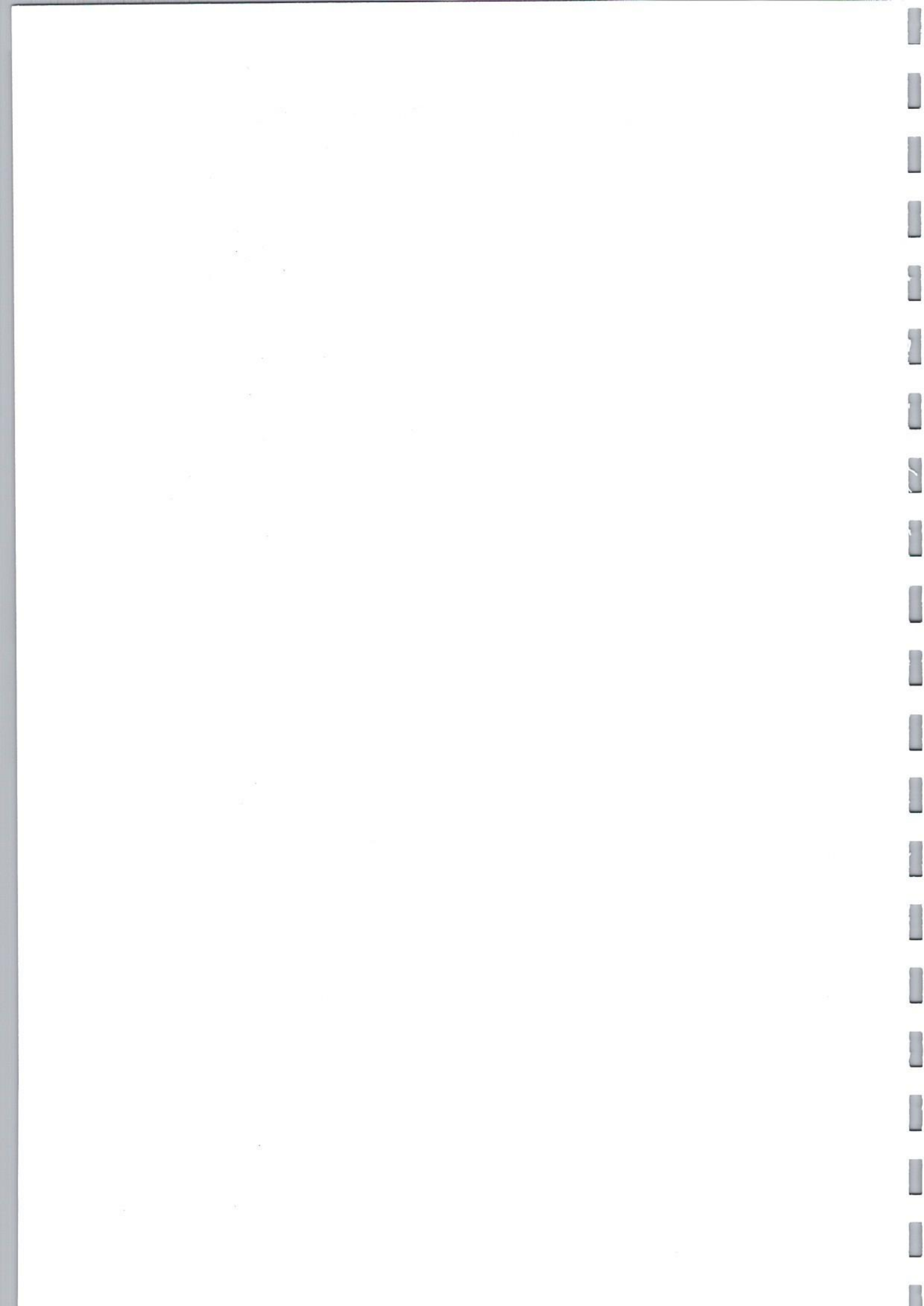
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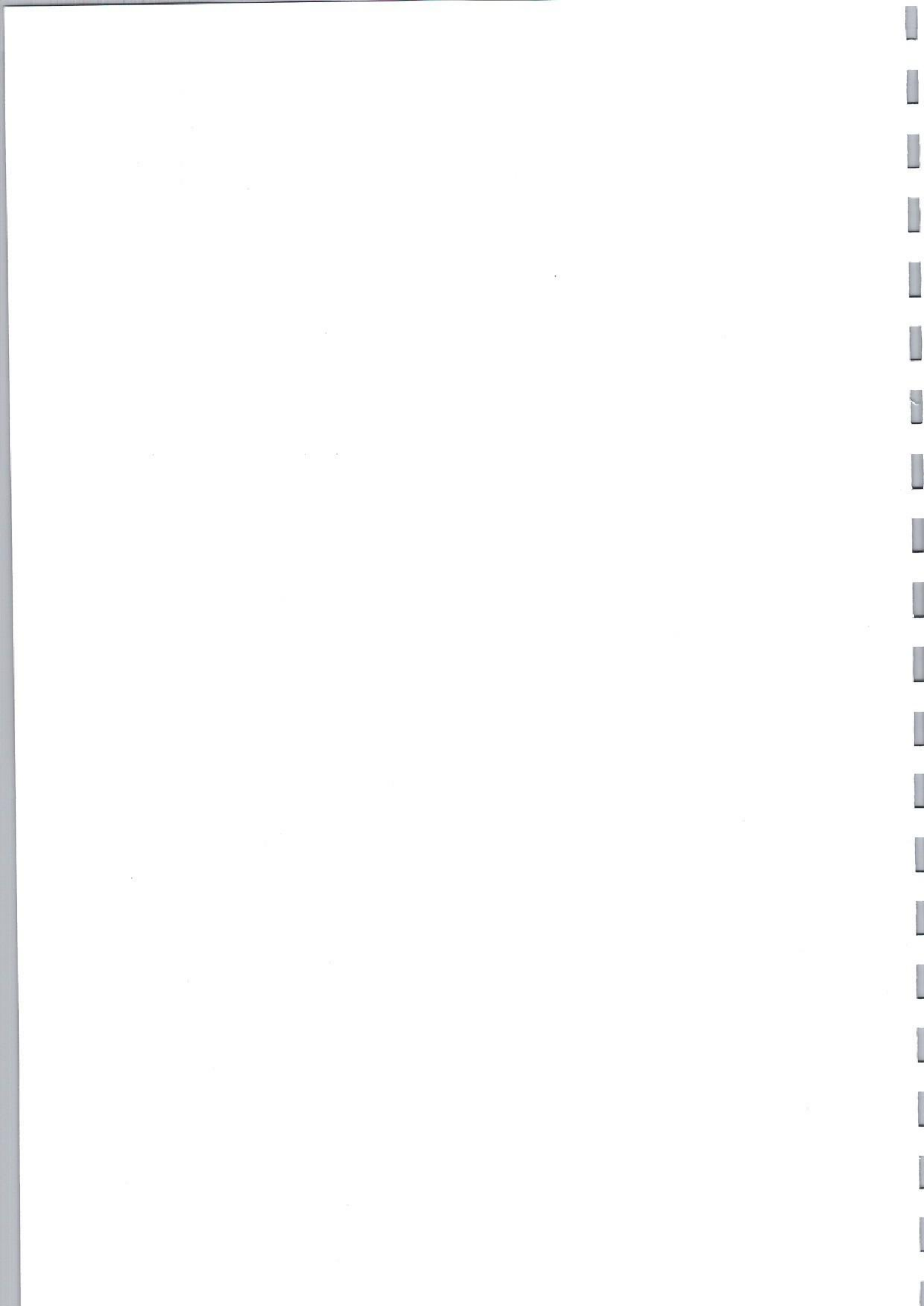
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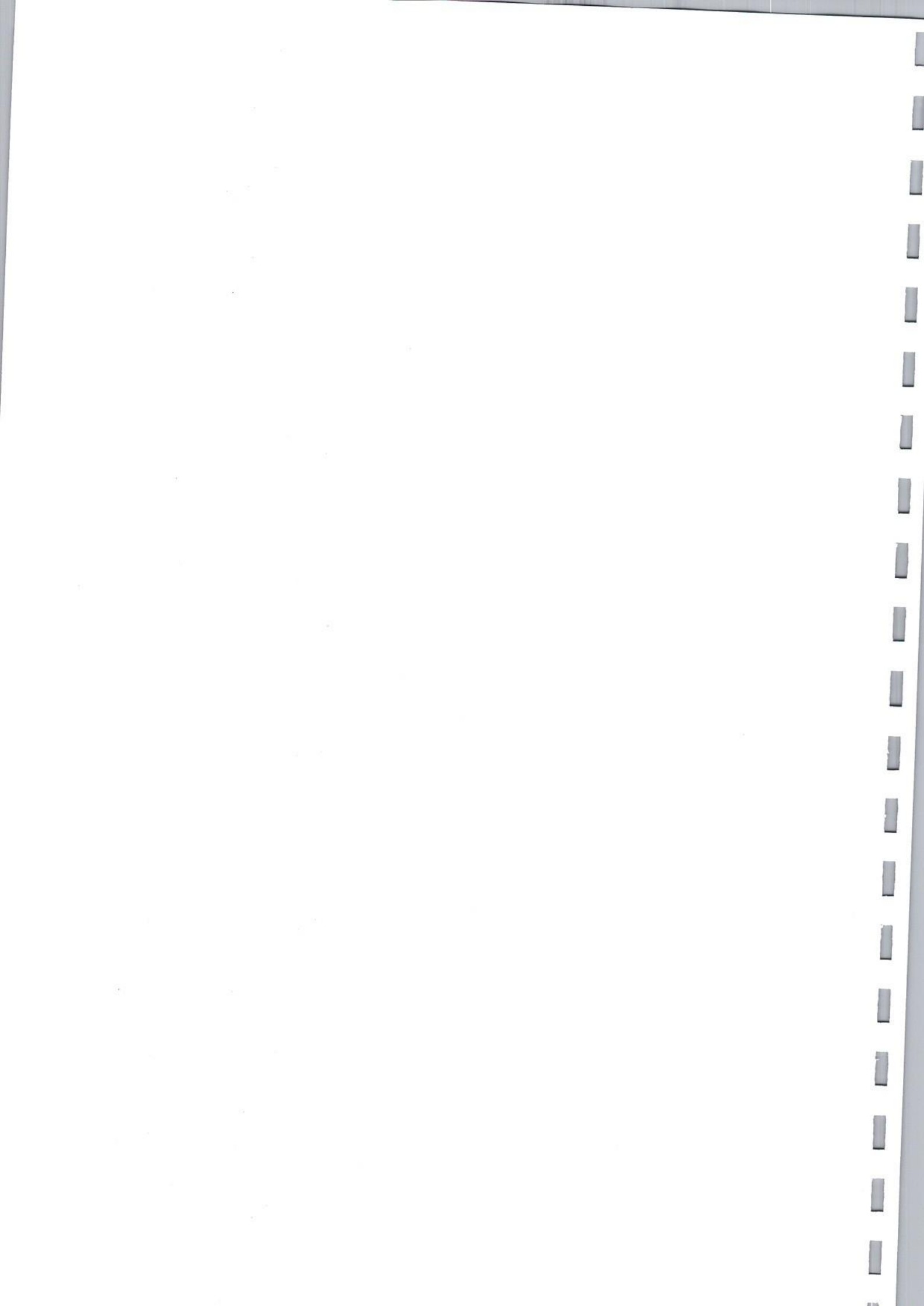
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RPF	Resettlement Policy Framework

E&S	Environmental and Social
SEA	Sexual Exploitation and Abuse
CPE	Collective Protection Equipment
PPE	Personal Protection Equipment
ESHS	Environmental, Social, Hygiene and Safety Provisions
SDS	Safety Data Sheet
LI	Labour Intensive
SH	Sexual Harassment
STI	Sexually Transmissible Infections
km/h	Kilometres per hour
MINEPDE D	Ministry of the Environment, Nature Protection and Sustainable Development
CMM	Complaints Management Mechanism
WCMM	Workers' Complaints Management Mechanism
STD	Sexually Transmissible Disease
NC	Non-Compliance
ESS	Environmental and Social Standards
WHO	World Health Organization
XXXX	Project title
SCP	Social Communication Programme
ECP	Environmental Commitment Plan
ESMP	Environmental and Social Management Plan
LMP	Labour Management Plan
SMP	Stakeholder Mobilisation Plan
EHSP	Hygiene, Safety and Environment Plan
PMU	Project Management Unit
AIDS	Acquired Immune Deficiency Syndrome
OHS	Occupational Health and Safety
HIV	Human Immunodeficiency Virus
VAC	Violence Against Children
GBV	Gender-based violence



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## INTRODUCTION

This model of Environmental and Social Provisions applies to (please describe the works to which these clauses apply). This model will also be used to draw the Contractor's attention to the environmental, social, safety and health services to be implemented during the performance of the works.

The Contractor will be responsible for performing the works in accordance with the requirements and good practices presented in the Environmental and Social (E&S) documents of the project, which reflect not only the regulatory requirements of Cameroon but also the provisions of the World Bank's Environmental and Social Standards (ESS) (the project's funding partner). In case of differences or gaps between the Cameroonian legislation and the World Bank's Environmental and Social Standards, the latter shall prevail. These provisions identify all the environmental and social obligations to be implemented by the Contractor from the receipt of the notification to start the work to the final acceptance of the structures by the Project Owner or his representative.

The Contractor and the Project Manager must ensure that this model of ESP is adapted to the context of the works corresponding to the contract in question, by adjusting this model to the project's environmental and social instruments, which may provide details on the current conditions of the project area, as well as specific risks and situations not mentioned in these ESP.

## GENERAL OBLIGATIONS

Responsibilities of the Contractor (the Contractor and his subcontractors)

The Contractor is solely and entirely responsible for compliance with these ESP. Subcontracting part of the work does not exempt him from full responsibility for compliance with these clauses vis-à-vis the Contracting authority. Consequently, the Contractor is bound by the following environmental and social obligations:

1. Before the effective start of work on the site, he must prepare, the Site ESMP in accordance with the obligations spelled out in the ESP and the World Bank's Environmental and Social Standards.
2. The Contractor must implement the Site ESMP throughout the period from the signing of the contract to the final acceptance of the works by the Project Owner or his representative.
3. The Contractor must endow itself with an appropriate organisation and the necessary resources to ensure:
  - i. Preparation of the environmental and social documentation,
  - ii. Environmental and social monitoring of construction activities,
  - iii. Definition of corrective measures in case of non-compliance and prevention of non-compliance,
  - iv. Adequate and timely communication between the various stakeholders concerned;
4. The Contractor must ensure compliance with good environmental, social, hygiene, and safety (E/SHS) practices, including aspects related to the prevention and management of gender-based violence/Sexual exploitation and abuse/sexual harassment in the workplace and communities alongside the management of complaints and grievances relating to the project;
5. The Contractor must know, respect and ensure respect for all regulations, laws, decrees, standards and other government provisions of a socio-environmental nature, including those corresponding to

national and municipal domains that are in any way related to the works covered by the contract. If the Contractor does not know any of these regulations, or others that are not specifically indicated and their corresponding updates, his responsibility to comply with these regulations shall not be waived.

6. The Contractor must comply with the environmental and social regulations, laws, decrees, and standards presented in the following environmental and social texts, subject to these environmental and social provisions.

- Framework Law No. 96/12 of 5 August 1996 on environmental management, which provides in particular for the treatment of waste by companies and the protection of receiving environments, as well as penalties for environmental damage;
- Law No. 94/01 of 20 January 1994 on the forestry, wildlife and fisheries regime, which sets out the framework and conditions for the felling of trees belonging to permanent or non-permanent forest areas;
- Law No. 98/015 of 14 July 1998 relating to establishments classified as dangerous, unhealthy or obnoxious such as quarries;
- Law No. 98/005 of 14 April 1998 to lay down regulations governing water resources;
- Law No. 96/67 of 8 April 1996 on the protection of the Road Heritage;
- Law No. 2016/017 of 14 December 2016 to establish the mining code, which governs the conditions for opening quarries and laterite borrow pits;
- Law No. 85/09 of 4 July 1985 to lay down the procedure governing expropriation for public purposes and the conditions for compensation;
- Law No. 92/007 of 14 August 1992 on the Labour Code, which sets the conditions for employment, health and safety at work;
- Decree No. 2013/00171/PM of 14 February 2013 to lay down the procedure of carrying out environmental impact assessments, which may involve compensatory measures to be borne by contractors;
- Decree No. 2012/2809/PM of 26 September 2012 setting out conditions for sorting, collection, storage, transport, recovery, recycling, treatment and final disposal of waste;
- Decree No. 2011/2581 of 23 August 2011 to regulate harmful and/or dangerous chemicals;
- Decree No. 2011/2582 of 23 August 2011 setting out procedures for protecting the atmosphere;
- Decree No. 2011/2583 of 23 August 2011 regulating noise and odour pollution;
- Decree No. 2003/418/PM of 25 February 2003 fixing the rates of compensation to be paid to owners of cultivated crops and trees destroyed for public utility purposes. These regulations may serve as a basis for the evaluation of property in the event of accidental destruction or temporary occupation of sites by contractors;
- Decree No. 2022/5074/PM of 4 July 2022, setting out the procedures for monitoring the social compliance of projects;

The World Bank's Environmental and Social Standards relevant to the project (See the Project's Environmental and Social Commitment Plan, available at the Project Management Unit).

8. The Contractor must develop internal rules and regulations and establish codes of good conduct applicable to all employees and subcontractors.

9. The Contractor must assume responsibility for any claims related to non-compliance with environmental regulations.

Commitments of the Project Manager

The Project Manager shall approve, validate, and forward to the Project Owner these ESP, including the Site ESMP, and ensure the rigorous application of said ESP.

The Project Manager may at any time: (a) request for the verification of the means implemented to ensure compliance with environmental regulations and prescriptions indicated in these ESP; (b) collect the registration and monitoring documents provided for in the organization charts; (c) Verify the effectiveness of the compliance sheet and approve the Contractor's technical reports; (d) prepare the monthly, quarterly and biannual activity monitoring reports as well as the final evaluation report.

### **Contractor's Internal rules and regulations**

The Contractor should display internal rules and regulations in a visible manner in the various installations of the living quarters, specifically prescribing: the prohibition of poaching; respect for environmental requirements; hygiene rules and safety measures. The said rules and regulations must be signed by the Contractor and made available to the competent Labour Inspector. During recruitment, the awareness of each employee must be raised on the main lines of these internal regulations.

Controls, notifications, management of non-compliances and sanctions

Monitoring of the implementation of environmental and social provisions

The Project Manager shall verify the Contractor's compliance with the ESP, with the support of their environmental, social, health, and safety representative or a qualified technical representative, as necessary. This verification is carried out during site visits, where corrective actions are directly tabled to the Contractor. Depending on the nature of the activity, the monitoring may be carried out on a daily, weekly, or monthly basis. Findings are recorded in monthly, quarterly, and half-yearly monitoring reports.

#### **11.4.2. Notification of non-compliances**

The Project Manager shall notify the Contractor in writing of any cases of failure or non-implementation of environmental and social measures. The Contractor must rectify any failure to comply with the prescriptions duly notified by the Project Manager. The cost of repeated work or additional work resulting from non-compliance with the provisions is borne by the Contractor.

#### **11.4.3. Management of non-compliances**

Non-compliances detected during inspections made by the Contractor or the Project Manager will be addressed in keeping with the severity of the situation. Non-compliances will be defined as deviations from the requirements of applicable regulations, these ESP, the ESMF, and the Site ESMP. As such, non-compliances shall be distributed into four categories:

Observation notification: for minor non-compliances, such as improper disposal of domestic waste. This level requires only a verbal notification from the Project Manager to the Contractor's representative, with signature of the Observation notification prepared by the Project Manager. Multiplication of Observation Notifications in an Activity area, to at least three (3) times, or failure by the Contractor to address the Observation notification within six (6) working days, will raise the Observation notification to a Level 1 non-compliance.

Level 1 non-compliance: applies to non-compliances that pose a moderate, non-immediate risk from the environmental, social, health, or safety standpoints, such as inconsistent use of Personal Protection

Equipment (PPE). The non-compliance is notified in writing to the Contractor and must be resolved within five (5) working days. The Contractor will provide the Project Manager with a proof of the resolution of the problem. After a visit and a positive opinion, the Project Manager validates in writing the closure of the non-compliance. In all cases, any Level 1 non-compliance not corrected within five (5) working days will be raised to Level 2.

Level 2 non-compliance: Applies to any non-compliance that poses an immediate, moderate risk with significant consequences from the environmental, social, health, and safety at work standpoint, such as the absence of first aid kits, absence of awareness-raising on the spread of STIs/HIV/AIDS, improper storage of waste (batteries, filters, etc.) on non-impermeable surfaces. The same procedure as for Level 1 non-compliances applies. Level 2 non-compliances must be resolved within three (3) working days. Any Level 2 non-compliance not corrected within three (3) working days will be raised to a Level 3 non-compliance. Non-compliances such as unauthorized deforestation of valuable tree species or installation of parking areas outside the distances prescribed in the SPS, which require more time to plan corrective measures, failure to correct these non-compliances within ten (10) days will raise the non-compliance to Level 3.

Level 3 non-compliances: This applies to major non-compliances posing significant environmental and/or social risks or resulting in major environmental and/or social damage, such as oil spills, open air burning of plastic materials and tires, filters, batteries, cases of death or partial or complete loss of physical abilities, loss of livelihoods, incidents of GBV (SEA/SH/VAC). In cases of SEA/SH, the company's GBV focal point or person in charge must immediately notify the Project Manager's GBV focal point and the Project Owner. The Project Owner's GBV agent must notify the World Bank within 24 hours of receipt of the complaint. A Level 3 non-compliance will result in suspension of payment of the next bill until the non-compliance is resolved. If necessary, the Project Manager may order suspension of work pending resolution of the non-compliance.

#### **II.4.4. Conditions of suspension of work**

At the end of each month, the Project Manager will conduct an evaluation of the environmental and social management of the site, based on notified non-compliances during the period and the Contractor's reactivity in resolving these non-compliances.

This evaluation will either result in a positive opinion or reservations and penalties, in cases of blatant non-compliance with environmental and social obligations, or deliberate failure to resolve detected and notified non-compliances.

In the event of a serious breach by the Contractor (Level 3 non-compliance), the Project Owner may suspend activities at the affected site without any financial implications for the Project Owner until corrective measures are properly implemented.

### **PRIOR ARRANGEMENTS FOR THE EXECUTION OF CONTRACTS**

#### **II.5.1. Resources allocated for environmental and social management**

Depending on the size of the project, the Contractor shall appoint an Environmental Officer and a Social Officer, and, consult the PMU and the World Bank and receive their approval, before implementing the Site ESMP. The Contractor will be based permanently at the main Activity zone for the entire duration of the project. The representative of the contractor should be at a sufficient hierarchical level within the Contractor's organization to stop work if deemed necessary in case of Level 2 or 3 non-compliances and to mobilize equipment, personnel, and resources to implement any necessary corrective measures.

Their bids will therefore include the costs associated with these services aimed at preserving access conditions.

### III.2.2. Traffic circulation

In cases where the work is done near sensitive areas, precise marking and staking of these areas will be carried out on the ground before the start of construction, in the presence of the Project Manager, a representative of the earthworks company, and an environmental specialist.

These preventive measures will limit the footprint of the work on the environment and avoid irreversible damage to sensitive natural habitats.

No traffic circulation should be allowed in the wetland areas, with high environmental stakes, marked on the attached graphic document.

When machinery is leaving the construction site to enter a paved road, the Contractor must take all necessary precautions (e.g., washing basin) to avoid soiling the roads.

### III.2.3. Installation

The Contractor must submit to the Project Owner a site installation plan and the location of the construction site installations. The significance of these installations is determined by the volume and nature of the work to be performed, the personnel on site, number and type of equipment. The site installation plan must take into account the following arrangements and protection measures:

The boundaries of the chosen site should, if possible, be at a distance of at least:

30 meters from the road;

200 meters from a lake, river, or wetland/flood-prone area;

100 meters from homes.

When it is not possible to meet these three requirements, the Contractor should present the measures they intend to implement to avoid any inconvenience to the elements considered during the approval by the Project Manager and the Contract Engineer.

Clearing and tree felling should be avoided or limited. Useful or large trees (diameter above 50 cm) should be preserved and protected.

Roads must be compacted and watered periodically.

The site must provide adequate drainage of rainwater over its entire surface, avoiding areas of water stagnation.

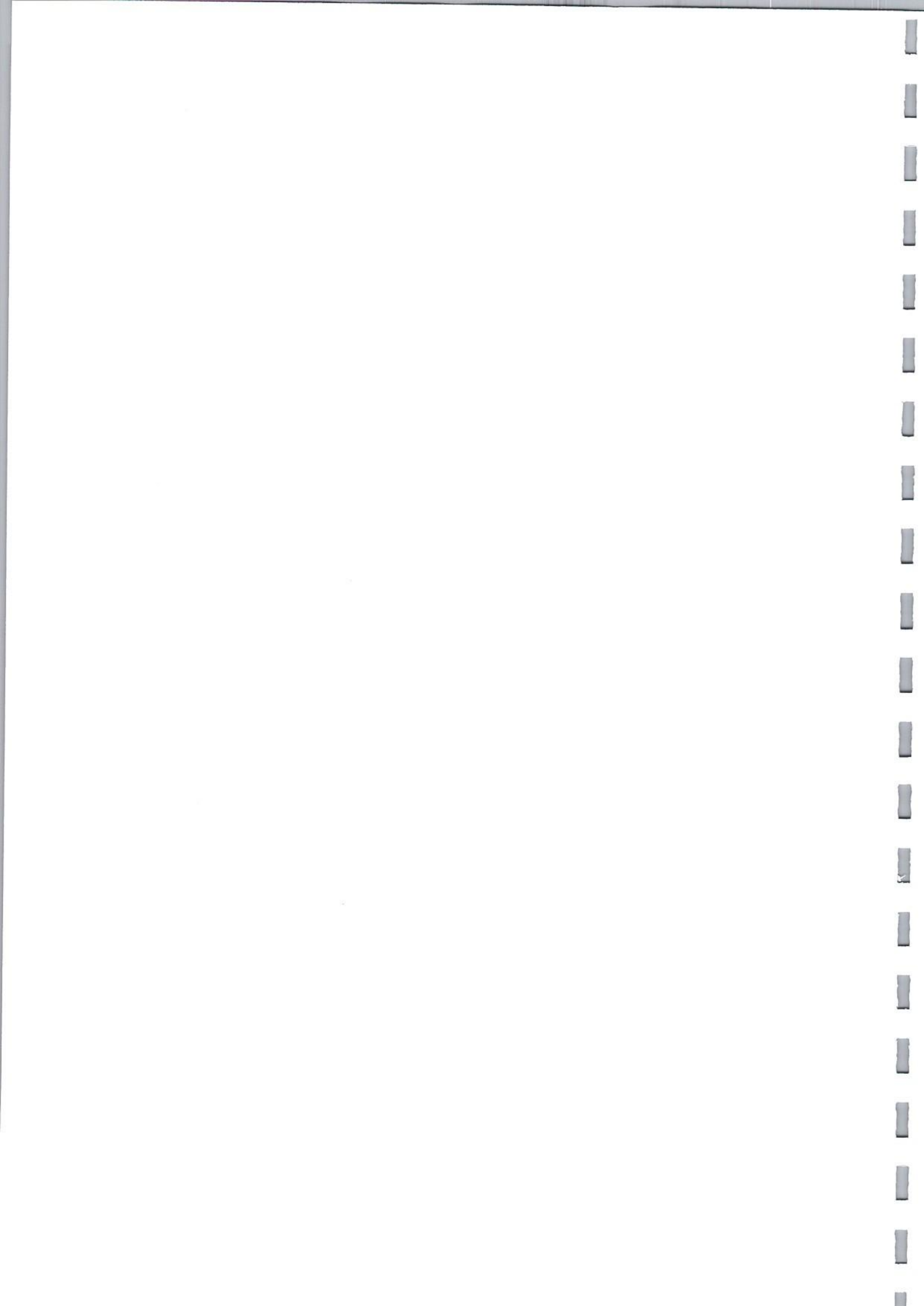
The construction site installations must be fenced.

During the performance of the contract, the Contractor shall prepare the following documents and submit them to the Project Manager, within the time-frame specified in the Special Administrative Clauses, before the installation of the construction site:

The Location of the lands to be used;

The list of agreements signed with landowners and current users of these areas, and proof that these users have found similar areas in which to continue their activities.

A detailed situational analysis of the various sites.



### **11.5.2. The Site Environmental and Social Management Plan (SITE ESMP)**

The Site Environmental and Social Management Plan (Site ESMP) is the single reference document in which the Contractor defines in detail all the organizational and technical measures implemented to meet the requirements of the ESP. The Site ESMP covers the entire period from the date of signature of the Contract to the date of issuance of the Certificate of Satisfactory Completion of work issued by the Project Owner. It will be prepared by the Contractor as soon as he receives the order to start the work.

The provisional document will be submitted to the Project Owner no later than 30 days before the start of work. The Site ESMP will be finalized by the Contractor after taking into consideration the Project Owner/Delegated Project Owner's comments, which will be forwarded to him no later than 20 days after receipt of the provisional document, and its final version will be submitted to the Project Owner no later than 10 days before the start of work. The approved plan will constitute the charter for environmental and social issues throughout the construction period.

No physical work or activity may begin on an Activity Zone before the approval of the Site ESMP by the Project Manager. During the execution of the works, whenever instructed by the Project Manager, the Site ESMP will be updated by the Contractor and resubmitted for approval. The revised version must highlight the new elements introduced in the document.

The content of the site ESMP to be prepared by the contractor will be structured in accordance with the scope of the work and will include at least the elements presented in Appendix 1 of this document.

## **EXECUTION OF WORKS**

### **III.1. Work Kick-off meeting**

Before the start of the work, the Contractor and the Project Manager, under the supervision of the Project Owner, must organize meetings with local authorities, representatives of the population, including women, located in the project area, and relevant technical services, to inform them of the scope of the work to be performed and its duration, the routes involved, and the locations likely to be impacted. This meeting will also allow the Project Owner to gather observations from the populations, educate them about the environmental and social issues, and their relationship with the workers.

### **III.2. Site access and installation**

#### **III.2.1. Access to the site**

Access to the site for construction purposes must be done in a way that minimizes disruptions and security risks. To this end, the Contractor must define the most appropriate access route, taking into account the aforementioned concerns.

The access routes must be maintained by the companies using them (periodic sweeping at the request of the Project Manager).

The maintenance of water flow channels in good condition will be closely monitored.

The provision of equipment for watering and maintaining roads may also be ordered by the Project Manager. This will be ensured, in each sector and for all recruited companies, by the companies to which the various lots were awarded.

Each contract holder shall be responsible for specific operations aimed at securing and protecting the environmental site concerning them.

Their bids will therefore include the costs associated with these services aimed at preserving access conditions.

### III.2.2. Traffic circulation

In cases where the work is done near sensitive areas, precise marking and staking of these areas will be carried out on the ground before the start of construction, in the presence of the Project Manager, a representative of the earthworks company, and an environmental specialist.

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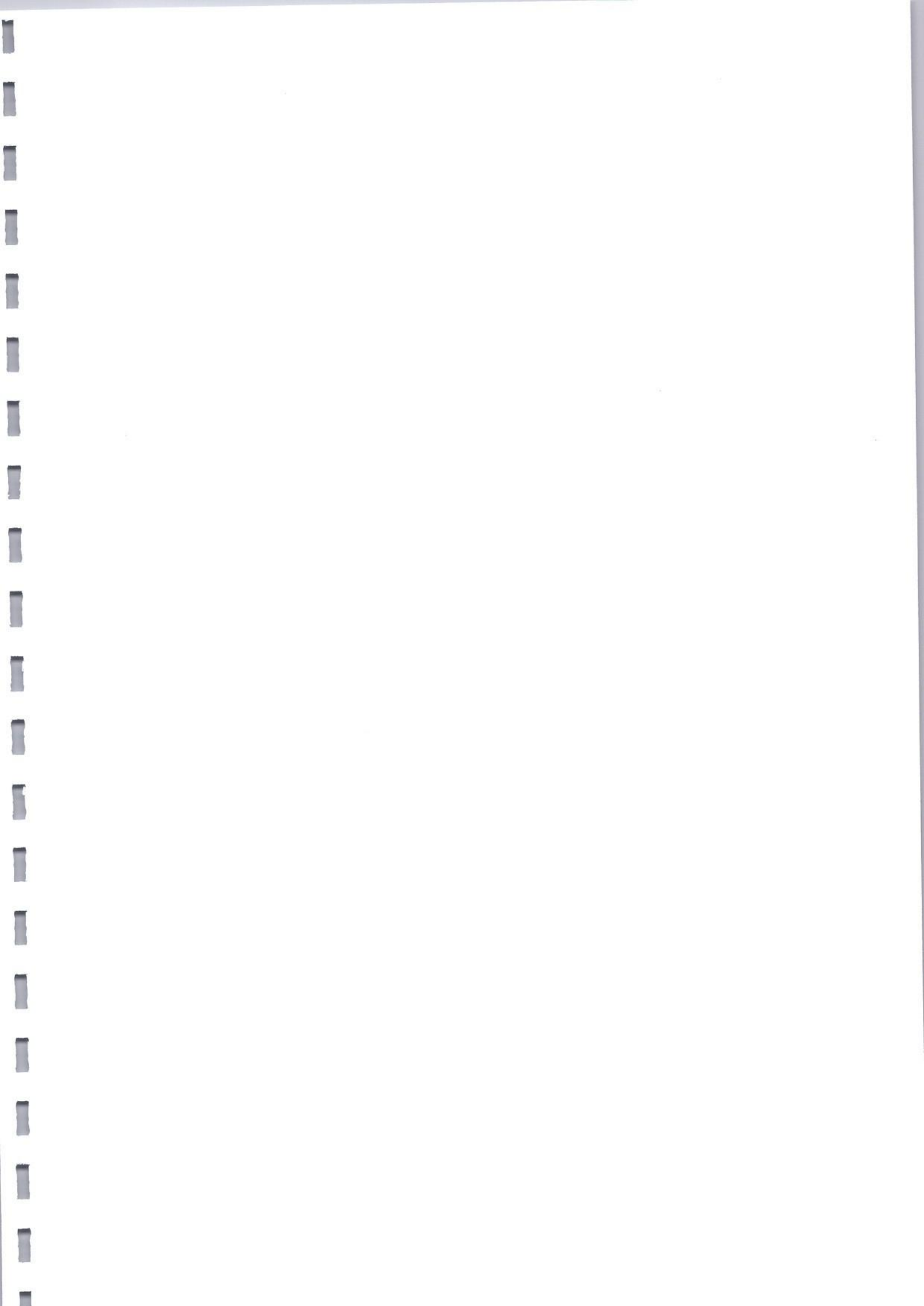
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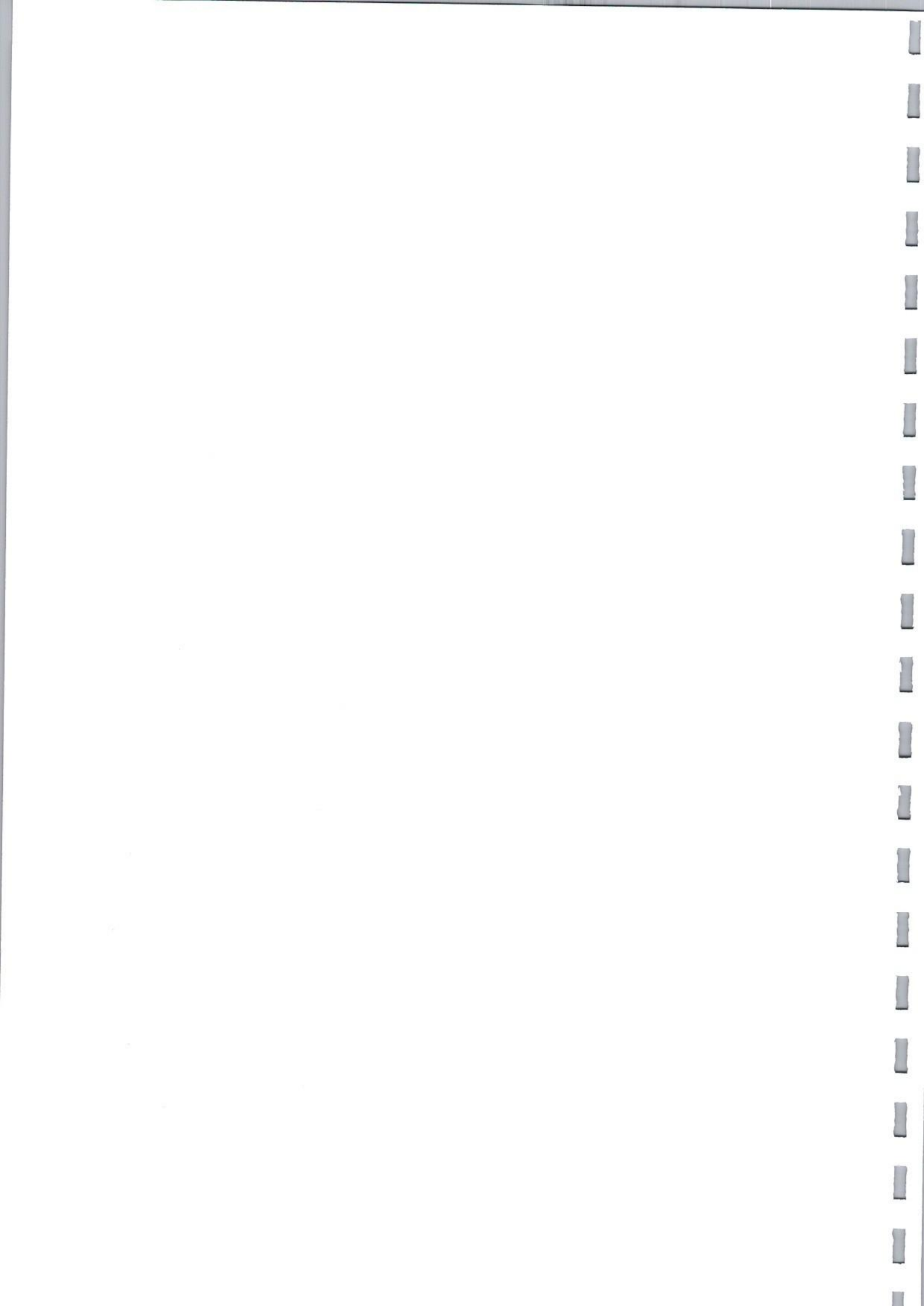
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A detailed situational analysis of the various sites.





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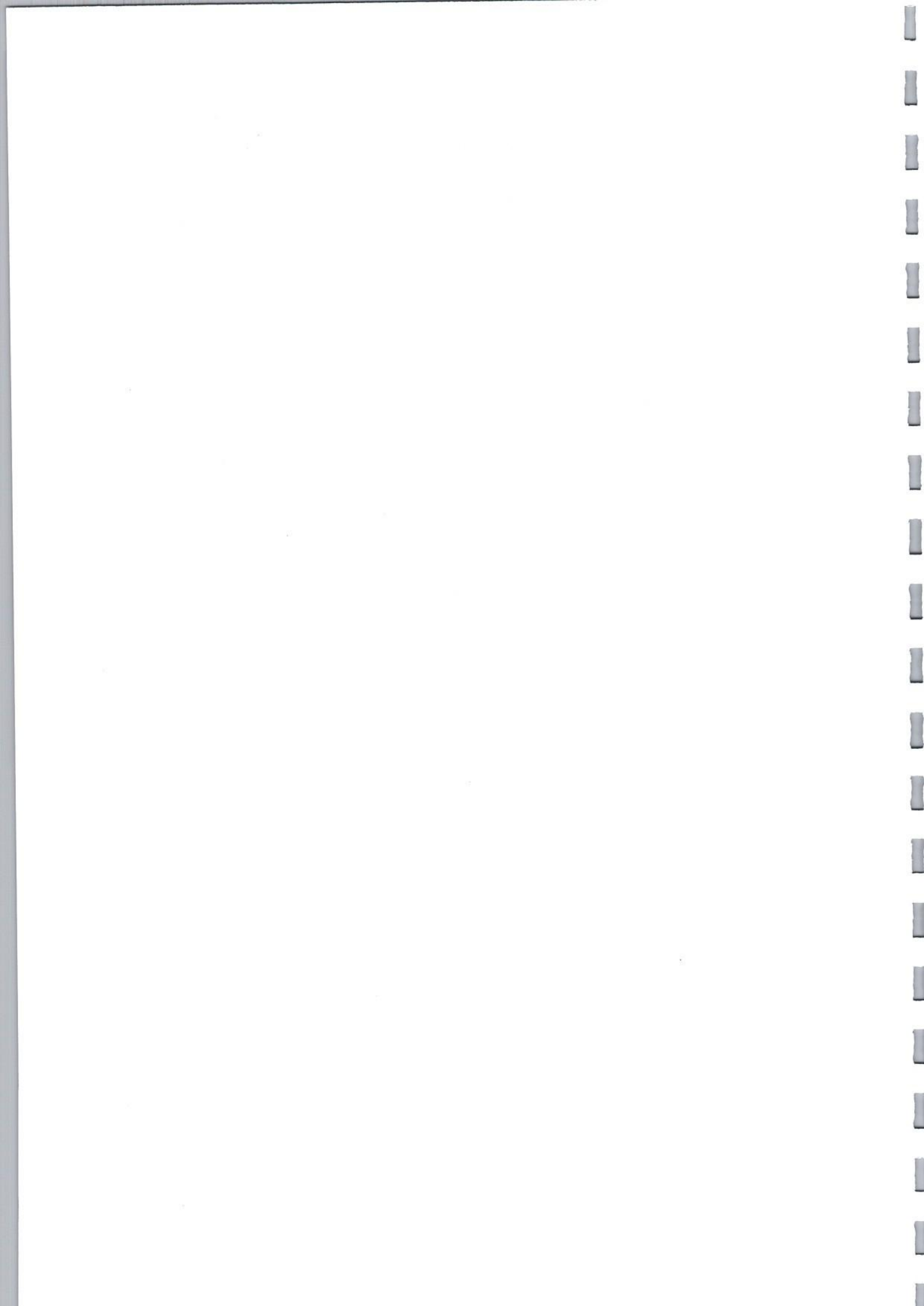
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A detailed situational analysis of the various sites.

A general plan indicating the different zones of the construction site, planned installations, and a description of planned developments;

A detailed site environmental protection plan for the living quarters, before starting its construction;

An amended waste management plan.

A description of measures envisaged to prevent and combat pollution and accidents, such as soil pollution, groundwater pollution, and surface water pollution, fire outbreak and wild fires, as well as road accidents;

A description of the planned sanitary infrastructure and its organisation;

A list of measures planned to ensure workers' food supply (meat, fish, etc.) and wood, and those planned to promote the purchase of local products from the project area, with the exception of bushmeat, as well as strict prohibition on the Contractor's personnel to engage in wildlife and forest product trafficking;

A plan for the rehabilitation of affected areas at the end of the works;

Articles of the site rules and regulations dealing with environmental protection, wastes, envisaged actions in case of accidents, vehicle driving and maintenance obligations, etc.

#### III.2.4. Permits and authorizations before construction work

Any construction work must be preceded by a procedure of information and administrative authorisations. Before starting the works, the Contractor must obtain all necessary permits for the planned works: authorisations issued by Regional and Local Authorities, forestry services (in case of deforestation, tree pruning, etc.), mining or hydraulic services as needed, the labour inspection, network managers, environmental services, etc. Before starting the works, the Contractor must consult with neighbouring residents with whom they can make arrangements to facilitate the progress of the construction site.

#### III.3. Clearing of rights-of-way and identification of networks

The Contractor must be aware that the public purpose perimeter related to the operation is the perimeter that may be affected by the works. Work may only commence in areas affected by private land holdings after these have been released following an acquisition procedure for which the Government/Borrower is responsible.

Before starting the works, the Contractor must initiate a procedure for identifying the networks of concessionaires (drinking water, electricity, telephone, sewage, etc.) on a plan, which will be formalised by a report signed by all the parties (Contractor, Project Manager, concessionaires).

#### III.4. Provisions applicable to the installation of the construction site and throughout the execution of the works

##### III.4.1. Weekly environmental and social inspections

In addition to his own inspections, the E&S officer will also conduct joint E&S inspections of the Activity zones with the Project Manager. Each inspection will result in a written report, in a form approved by the Project Manager highlighting situations of non-compliance with the ESP observed in the activity zone. In these reports, the non-compliances shall be visually illustrated with digitally labelled photographs, so that the location, date of inspection, and degree of non-compliance illustrated are explicitly stated.

### III.4.2. Reporting

#### Monthly Reports:

The Contractor will submit monthly E&S activity reports to the Project Manager, summarizing all E&S actions implemented for the execution of the works during the previous period.

**Incidents and Accidents:** The Contractor will immediately notify the PMU of any incident or accident within 48 hours of learning about the incident or accident, in keeping with the template provided in Appendix XXXX.

Afterwards, a detailed report of the incident or accident, including proposed measures to prevent recurrence, will be prepared (in accordance with the template provided by the Bank) within a timeframe fixed by the Bank following the initial notification.

The E&S activity report will be submitted no later than 7 working days after the end of the month concerned. It will include at least the following information:

The situation of personnel assigned to the work (situation of contracts, representation (gender, local populations, indigenous peoples if applicable, etc.), regularization of remuneration, etc.).

Presentation of E&S personnel present at the end of the month;

Work performed during the month;

Inspections carried out (location and frequencies);

Non-compliances identified during the month, level of severity, and description of the analysis of corresponding causes and corrective measures implemented;

Description of actions taken during the month to comply with the ESP;

Description of actions taken with external stakeholders: neighbouring populations, local authorities, government agencies;

Results of the monitoring of the following indicators:

Availability and quality of drinking water;

Management of hazardous and non-hazardous solid waste;

Management of atmospheric emissions and noise;

Prevailing conditions in the activity zones

Statistics on the recruitment of contract workers and community workers: number and type of position, number of women recruited locally, number of young people, number of vulnerable people, number of working hours put in by the entire community staff of the Contractor;

Health and safety statistics: number of fatal accidents, number of accidents with work stoppage, number of accidents without work stoppage, frequency of accidents, serious illnesses, serious breaches committed by the Contractor's staff (attach sheet to the activity report, including analysis of corresponding causes and corrective measures applied).

Monitoring of formal or informal complaints (negative media coverage, strikes or social conflicts, protests, community complaints, complaints of NGOs or workers, informal notifications of authorities, etc.) related to E&S risks and impacts of the work: including analysis of corresponding causes and corrective measures applied;

Summary of training activities (topic, number and duration of sessions, number of participants);

Forecast E&S action plan for the coming month.

Monitoring of the implementation of the company's GBV/VAC/SEA/SH action plan resulting from the ESMP.

QUARTERLY reports:

It will be integrated into the construction activity report or in the infrastructure development report which summarises the environmental and social activities of the past quarter based on the performance indicators identified in the site ESMP. Quarterly reports should be submitted no later than 14 days after the end of the quarter.

Regarding the notification of environmental, social, health and safety (ESHS) events, the Project Manager should be informed, within the hour following the event: (i) of any serious bodily injury to a member of the personnel, a visitor, or any third party, caused by the conduct of the works or the behaviour of the Contractor's staff, or (ii) of any significant damage to private property, or (iii) of any significant damage to the environment. The Project Manager should also be informed, as soon as possible, of any accident related to the conduct of the works that, under slightly different conditions, could have caused bodily harm to individuals, damage to private property, or to the environment.

Half-yearly report

The semi-annual reports on the implementation of the ESMP must be prepared and submitted to the Ministry of Environment, Nature Protection, and Sustainable Development (MINEPDED) and the Divisional Committees for Monitoring ESMP established by the regulations in force.

### III.5. Health and safety management

The Contractor describes its health and safety management system in the site ESMP, in the section on the health & safety plan. The said plan identifies and describes:

All health and safety risks related to the conduct of the works;

Prevention and protection measures against the risks envisaged for the conduct of the works, distinguishing, where applicable, measures concerning men and women;

Human and material resources involved;

Works requiring work permits, and emergency plans to be implemented in case of an accident.

Particular attention should be paid to the following risks:

Risks related to exposure to nuisances;

Risks related to traffic accidents;

Risks related to the opening of trenches for foundations and the laying of pipelines;

Risks related to manual and mechanical handling;

Risks related to poor hygiene;

Risks of falls;

Risks of intoxication;

Risks related to the failure to take measures to protect against COVID-19;

Risks of electrification and electric shock.

Weekly and daily health and safety meetings

The Contractor shall organise, at least once a week or at another frequency approved by the Project Manager, a health and safety meeting on the construction site where activities are taking place, with all employees assigned to that activity zone. Accidents and incidents that occurred in the previous week are described, and the experience gained is capitalised. Improvement actions are identified, documented, and evaluated until such situations are resolved. The minutes of these meetings are forwarded to the Project Manager.

The Contractor shall organise on a daily basis and for each team, before the start of activities, a health and safety briefing on all activity zones where an activity is taking place. The meeting establishes the health and safety risks associated with the day's tasks and activities alongside the prevention and protection measures. These meetings give rise to minutes.

### III.6. Information, Awareness-raising, and capacity building

Information and awareness campaigns shall be organised with the neighbouring populations and stakeholders in connection with the works under the Contract. Such campaigns shall focus on:

The nature of the works and the execution schedule;

The persons to be recruited and the procedures of recruitment;

STDs and STIs HIV/AIDS;

Prevention of GBV/SEA/SH/VAC;

Participation of neighbours in the various meetings;

Protection of the road heritage;

Sustainability of the structures to be constructed.

Health and safety risks during and after the work.

The Contractor will conduct his information, awareness, and capacity-building activities under the supervision of the Project Manager and approval of the Project Owner. These activities will include, inter alia:

Preparing a communication plan to be submitted to the Project Manager for approval;

Organizing at least one training of trainers workshop on the fight against poaching, illegal logging, poor sanitation, and water pollution, combating STDs and HIV/AIDS, and

Prevention of GBV/SEA/SH/VAC;

Produce communication materials,

Prepare reports.

## PROTECTION OF THE ENVIRONMENT: REQUIREMENTS TO MITIGATE ENVIRONMENTAL IMPACTS

### IV.1. Site maintenance and waste management

During the duration of the project, the Contractor shall ensure that the entire site and its surroundings are kept clean and that produced waste is properly managed by taking the following measures:

Respect the appropriate procedures for storing, collecting, transporting, and disposing of hazardous waste. For waste such as used oils, it is essential to collect and give them to approved recyclers;

Clearly identify and demarcate waste disposal areas and specify which materials can be deposited in each area;

Control the dumping of all construction waste (including soil excavations) in approved disposal sites (>300m from streams, watercourses, lakes, or wetlands);

Place all trash, metals, used oils, and excess materials produced during construction in authorised areas, incorporating recycling systems and material separation.

The Contractor shall make necessary arrangements to prevent dispersion of waste by wind or rainwater before its disposal.

Clearing and grubbing materials from earthwork areas will be stockpiled and then reused.

Transportation of earth within the site boundaries to designated fill areas or evacuation to public landfills.

Minimize waste generation during construction and reuse construction waste where possible.

The following measures shall be taken for site maintenance:

Identify and demarcate areas for maintenance equipment (far away from streams, watercourses, lakes, or wetlands).

Ensure that all maintenance equipment activities are carried out in designated maintenance areas;

Never dispose of oil or pour it onto the soil, into watercourses, low-lying areas, or abandoned quarry cavities.

The Contractor shall avoid any spill or release of wastewater, drainage water, hydrocarbons, pollutants of all kinds into surface or groundwater. Discharge and drainage points should be indicated by the Contractor.

The Contractor should deposit household waste in impervious garbage containers to be emptied periodically. In case of evacuation by site trucks, the bins should be impervious to prevent waste from escaping. For hygiene purposes and to avoid attracting vectors, daily collection is recommended, especially during hot periods. The Contractor should eliminate or recycle waste in an environmentally rational manner. The Contractor shall transport waste, if possible, to existing disposal sites.

Special attention shall be paid to the management of specific waste, whether solid or liquid. The Contractor should identify existing treatment channels for said waste and sign agreements with approved service providers in the sector. The Project Management Unit (PMU) reserves the right to visit the operator's facilities to ensure their capacity to properly manage electrical and electronic waste. At the end of each month, a report should be prepared on waste quantities handled.

#### IV.2. Preventive measures against noise pollution and dust emissions

The Contractor shall pay special attention to limiting potential noise pollution. To this end, the Contractor shall comply with prescribed noise thresholds under the Law.

The Contractor shall limit the use of noisy equipment to the strict minimum and turn off equipment not in use (e.g., generators). Except in emergency situations, noise pollution (equipment, vehicles, etc.) near residential areas shall be prohibited from 7 p.m. to 8 a.m., as well as on weekends and holidays.

The Contractor's staff working in areas where the noise levels are above acceptable standards shall undergo hearing tests at frequencies defined by the occupational health physician, and in case of concerns, the affected employees shall receive medical attention at the Contractor's expense. These tests shall also be conducted before the end of their contracts.

During the execution of the works and in a bid to combat dust and discomfort, the Contractor should limit the speed of circulation in the construction site to 24 km/h on the roads within a 200-meter radius around the site and limit the speed of all vehicles on the site to 16 km/h.

#### IV.3. Storage and use of potentially polluting substances

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

Limitation of stored quantities;

Organised storage in a designated area or according to procedures that prevent access by external personnel;

Handling by authorized and equipped persons;

Signalling of the storage area with a warning board indicating the nature of the hazard.

Liquid chemical products shall be stored in sealed containers to prevent accidental spills and soil pollution.

Chemical products used shall be accompanied by a Safety Data Sheet (SDS) displayed at the storage location.

#### IV.4. Fuels and lubricants

In the event that the Contractor uses fuels and lubricants on the site, the lubricants shall be stored in sealed containers placed on a flat, clean, and stable surface. Containers shall be isolated from the ground by a plastic sheet or absorbent material (sand or sawdust) to allow for the recovery of accidental spills. For their part, the fuels shall be stored in tanks in a specially designed area according to standards. The tank should be placed in a sealed recovery basin with a volume representing at least two-thirds of that of the tank, so as to contain the liquid in case of accidental spillage. The entire installation shall be covered and equipped with fire-fighting devices (fire extinguishers, sandboxes). At the end of the works, all traces of fuels and lubricants or by-products should be cleared from the construction site.

#### IV.5. Other potentially polluting substances

The use of other potentially polluting substances shall be reported to the Project Manager before their use. The company shall provide proof of the legality of the use of these substances, and the Project Manager shall notify the relevant technical services for authorisation and, if necessary, prescription of precautionary measures.

#### IV.6. Management of accidental pollution

In the event of accidental pollution, the Contractor shall immediately notify the Project Manager. Depending on the environmental component affected by the pollution, the relevant technical services shall be notified. The Contractor shall take all necessary measures to stop the cause of the problem and

address the pollution. Prescribed conservation instructions should quickly be implemented. Absorbent pads should be available on site to absorb small-scale spills.

#### IV.7. Principle of intervention following accidental pollution

In the event of accidental spills of polluting substances, the following measures shall be taken:

Prevent soil contamination by sprinkling specific absorbent products;

In case of proximity to a water source (well, stream, etc.), prevent water contamination by blocking, erecting a dam or an earth dike, as a first step;

Excavate polluted soil on the infiltration surface;

Treat polluted areas in an ecologically rational manner (landfill, burial, incineration, depending on the nature of the pollution).

#### IV.8. Protection of natural areas against fire outbreak

The regulations in force (forest code) should be strictly applied. In general, the use of fire is prohibited on the construction site, except for express exemption granted by the Project Manager, within the limits of permissions prescribed by national regulations in force. In this case, the Contractor shall observe the following minimum guidelines:

Authorised burning only with low wind;

Site previously cleared of vegetation within a 20-meter radius;

Fire under constant surveillance by a competent person equipped with fire-fighting equipment;

In case of spread, rapidly alert the emergency services and the Project Manager by any means;

Total extinction of the fire after burning. Covering with earth is prohibited.

#### IV.9. Conservation of the landscape integrity of the site

No damage should be caused to vegetation located outside the scope of the works, access roads, or designated working or storage areas. Furthermore, protection measures should be taken for protected or rare species.

Only tree felling authorised by the forestry services is tolerated (comply with the provisions of the forestry code in case of tree felling or deforestation). Penalties will be incurred in case of unauthorised tree felling or destruction of vegetation on the site. In case of deforestation, felled trees must be cut and stored. The surrounding community must be informed of the possibility of using this wood as they see fit. Felled trees must not be abandoned on site, burned, or buried under earthwork materials.

In the event of deforestation or tree felling, the Contractor should carry out compensatory tree planting after the works.

Materials used for the works (notably sand and gravel) must necessarily come from controlled quarries and sand pits authorised by the mining services. In accordance with the provisions of the mining code, quarries and borrowing sites must imperatively be rehabilitated.

Restoration of the quarries before leaving the construction site may be imposed in case of significant modification of the site.

Any environmentally sensitive area must be avoided by the project (e.g., seasonal flood zones). Moreover, all precautions must be taken to preserve water points (wells, springs, fountains, ponds, etc.).

#### IV.10. Protection of biodiversity

In addition to respecting the resolutions of the Biodiversity Management Plan, which will be developed and made available to the Contractor, the latter should take the following initial measures during the execution of the works:

Prohibit the installation of construction sites and living quarters near parks, outside buffer zones;

Prohibit the opening of borrowing areas and deposit zones within the said parks;

Prohibit the search for timber (boards, stakes, and markers) within the said parks and their buffer zones;

Prohibit the consumption, hunting, and transportation of bush meat by construction site personnel;

Avoid installing certain road facilities including rest areas, toll gates, and weighing stations within national parks and their buffer zones;

Obtain authorisation for the search for borrowing sites within the parks and buffer zones, following the park's zoning plan;

Collaborate with park conservators to choose areas that can be dedicated to the exploitation of borrowing sites, even in critical situations of material shortages;

Plan, in collaboration with conservators of national parks, works near parks, taking into account the locations and periods of movement of animals during seasonal migrations;

Build tunnels or wildlife bridges, as needed, to facilitate animal crossings, with the collaboration of conservators knowledgeable about animal migration routes;

Place physical signals to indicate the entrances and exits of parks, as well as animal migration routes;

Implement speed-reducing measures, such as speed bumps, on these routes to reduce vehicle speeds.

Develop communication plans and training/awareness sheets/posters in partnership with conservators for the direct and indirect beneficiaries of the road project. These documents should highlight the protected species of the project and outline the relevant repressive regulatory provisions. Awareness campaigns will be conducted by the safeguard team for the construction personnel, and by a local NGO for the benefit of the neighbouring communities.

The project manager shall adopt education and awareness measures for staff and subcontractors with a view to preserving park resources.

Management of social risks and impacts: Plan or programme measures to mitigate social risks and impacts

The Contractor shall establish a detailed plan for the social management of the construction site. The said plan shall contain the following items

#### V.1. Labour management plan/programme/measures

In his Site ESMP, the Contractor should describe his labour management procedures adapted to the works and activities, that complies with the Project Labour Management Procedures Manual (if the Project does not have one, the Contractor should draft it). These procedures shall describe how the Contractor's workers shall be managed, in accordance with national laws and the ESS No. 2 of the World Bank. They shall indicate how this ESS shall apply to different categories of Contracted workers:

The following principles should be respected in the development of the procedures:

All workers shall be informed of the terms and conditions of employment at hiring:

All workers, including temporary workers, shall be provided with an employment contract and certificates of completion/attestation of services. At the time of hiring, the Contractor should document and provide each worker with clear and understandable information regarding their rights under labour legislation, including their rights to wages and benefits.

The legislation governing employment is clear regarding remuneration, working hours, and workers' rights (including promotions, paid annual leave, sick leave, etc.), as well as the right to join a legally recognized trade union.

The Contractor shall inform all employees of any deductions or withholdings made on their remuneration, in accordance with applicable laws and regulations.

The Contractor shall provide all new recruits with all the necessary information and notify personnel of any changes to their contract terms during the contract period.

The salary, working hours, and other specific provisions applicable shall be recorded in the employment contract.

Measures relating to occupational health and safety will be applied to the project. The Contractor shall be responsible for their implementation.

The Contractor must keep complete and accurate records of labour employment on the site. The records should include the names, ages, sex, number of hours worked, and wages paid of all workers. These records must be summarized on a monthly basis and submitted to the Project Manager.

Project workers will have access to facilities adapted to their working conditions, including canteens and suitable rest areas (as applicable), separate sanitary facilities for each sex, and adequate lighting. In cases where accommodation services are provided, policies on accommodation management and quality will be developed to protect and promote their health, safety, and well-being, and provide or facilitate access to services that take into account their physical, psychosocial, gender, and cultural needs, as well as measures to prevent ESA/SII risks, such as separate spaces for men and women, the location of changing rooms and/or toilets in separate and well-lit areas that can be locked from the inside, etc.

Workers' organizations: In accordance with national law, workers have the right to form associations, join the organization of their choice, and engage in collective bargaining without any interference.

Aspects related to labour protection, including child labour (boys and girls) and minimum age, and forced labour: A complaint management mechanism will be made available to all workers. The contracted staff must be informed of the grievance mechanism at the time of hiring for the purposes of the Contract and the measures in place to protect them against any retaliatory measures in case they use this mechanism. Measures should be put in place to make the grievance mechanism easily accessible to all the contracted staff.

Subcontracting: The Contractor should include equivalent provisions and appeal mechanisms in case of non-compliance in their contractual agreements with subcontractors:

Social protection conditions (social security, insurance if applicable, etc.);

Employability (career profile and training);

Provision of drinking water and water for domestic use, taking into account local conditions for workers.

3.2. Workforce influx management plan/programme/measures

The Contractor should envisage measures to manage the risks of labour influx in the host community. This includes risks of social conflicts between the local community and workers from elsewhere, which may be linked to religious, cultural, or ethnic differences, or based on competition for local resources; illicit behaviour and crime; impacts on community dynamics depending on the number of workers entering and their commitments with the host community; increased burden and competition for the provision of public services. The presence of workers may generate additional demand for water, electricity, medical services, transport, education, and social services; communicable diseases may increase leading to increased burden on local health services; increased incidents of gender-based violence; increased traffic and related accidents; among others.

To address these problems the following measures may be applied: the recruitment of local labour reduces the quota of workers from outside the region and, at the same time, reduces the support structure for the works (housing, sanitation, waste management, etc.). It also avoids the transfer of assets and minimises problems of increased prostitution and violence, among others.

The Contractor should provide training to (i) minimise the potential for the spread or exposure of the host community to water-borne or vector-borne diseases and infectious diseases due to project activities that may be associated with the influence of temporary or permanent project labour; and (ii) on the code of conduct for workers with the definition of acceptable and adequate behaviour with communities, as well as disciplinary measures.

Except for cases authorised by applicable legislation, the Contractor shall not import, sell, give, or otherwise distribute alcoholic beverages or drugs or authorise or permit the importation, sale, donation, exchange, or transfer of these by the contracted staff.

V.3. Prevention plan/programme/measures and response to gender-based violence: Sexual Exploitation and Abuse (SEA) and Sexual Harassment (SH)

SEA/SH in the workplace are the types of GBV most likely to occur or to be aggravated by the implementation of investment projects. Given the limited probability of completely eliminating the risk of SEA/SH, the Bank's environmental and social framework recommends the prevention and mitigation of SEA/SH risks related to the project.

The company's contract will have appendices with codes of conduct, the models of which are provided in the appendices of this book. The codes of conduct shall be signed and implemented by the company. Furthermore, the company shall implement measures and actions to prevent and address GBV/SEA/SH/VAC (gender-based violence, exploitation and sexual exploitation and abuse, sexual harassment, violence against children) within workplaces and communities impacted by the company's works.

Three codes of conduct are recommended: a code of conduct for companies, an individual code of conduct, and a code of conduct for managers. These codes call on companies, their subcontractors, if any with their employees to stand against GBV.

The action plan to be implemented by the company is mainly based on the Project's GBV Action Plan, which includes community awareness-raising, training of company staff, subcontractors and other stakeholders, as well as the establishment of a complaint management mechanism that includes a procedure for addressing GBV/SEA/SH complaints in line with a survivor-centred approach.

The Contractor's staff must be informed, at the time of their hiring, of the SEA/SH intervention mechanism, which includes the principles, practices, roles, and responsibilities for mitigating and addressing cases of gender-based violence for the Contract. The would-be staff members should also be informed of the GBV/SEA/SH complaint management mechanism and the measures in place to protect them against any retaliation for using it. For all other persons (including the Project Owner's staff and affected communities), information on the SEA/SH intervention mechanism, including how to submit a petition or grievance, as well as measures to protect against retaliation, must be displayed, in languages understandable to the Contractor's staff, the Project Owner's staff, and the affected communities, in easily accessible locations.

The GBV/SEA/SH mechanism of the CMM should primarily serve to:

- (i) refer the survivor to a GBV Service Provider. Immediately after receiving the complaint, the complaint management mechanism must assist the survivor in referring them to GBV support services for care. To this end, the company must ensure that it has a list of reference entities made available by the project or identified by the company. The care structures identified by the company must be validated by the project's GBV officer.
- (ii) record the resolution of the complaint. The information kept by the CMM will be documented but will remain absolutely confidential, especially when it comes to the identity of the complainant.

The SEA/SH intervention mechanism must allow for petitions or concerns to be submitted in writing, in person, or by telephone, with appropriate provisions for confidential processing of the complaints, and allow for anonymous petitions to be made. The Contractor must have a designated person with the appropriate skills, experience, and training to receive and examine these petitions or concerns.

As part of the SEA/SH intervention mechanism, the Contractor should maintain and implement ethical and secure processes to investigate and address SEA and/or SH petitions. These measures should determine the appropriate responses to SEA and/or SH petitions, including the measures stated in Article 5.10 and other appropriate disciplinary measures in the case of the contracted staff.

Any SEA and/or SH petition received by the Contractor (including through Subcontractors), the Project Owner, or the Project Director should be documented and promptly submitted to the other Party and the Project Director. While maintaining confidentiality regarding the person who suffered the alleged incident, if applicable, the documentation and presentation should include the type of alleged incident (SEA, or SH), the link with the project, the sex, age, and psychological and medical care provided to the person who suffered the alleged incident.

Upon receipt of any SEA and/or SH allegation as described above, the Contractor should immediately apply the SEA/SH intervention mechanism, as described in the Project's GBV/SEA/SH Action Plan, which is available at the project management unit.

#### V.4. V.4. Plan/programme/measures for preventing damage to people and property

The safety measures to be observed for personnel on the construction site and users are those aimed at protecting the health of personnel working on the site as well as that of neighbouring communities. In this sense, the Contractor should comply not only with the Environmental and Social Standards (ESS) No. 2 (Employment and Working Conditions) but also with ESS No. 4 (Health and Safety of Populations). These measures include the wearing of safety equipment by company personnel on the site, dust limitation, and signalling. To avoid work accidents, the wearing of Personal Protective Equipment (PPE) such as gloves, helmets, safety shoes, face masks, and other types of PPE depending

on the workshop, is mandatory for anyone on the construction site. The company is responsible for providing all safety equipment on the site in sufficient quantities, and the project manager is responsible for ensuring strict compliance with these safety measures.

The Contractor shall ensure that any discharge (liquid, gaseous and solid) that may harm the health of local populations is limited. Similarly, awareness campaigns should be organised for populations and employees by the company (or a service provider) on health issues (COVID 19, prevention and management of STIs/HIV/AIDS, GBV/SEA/SH, occupational diseases, malaria, unwanted pregnancies, etc.).

The Contractor shall also ensure that the speed of various vehicles and equipment on the construction site is limited (less than 40 km/h). Similarly, he should also ensure that all temporary diversions are identified in collaboration with neighbouring communities and that these deviations do not affect sensitive areas. In addition to the project signboard indicating the project references, the company must also install safety signs, such as those prohibiting access to the site by unauthorised persons or those related to traffic (truck exits, speed limits, Warning, construction works ahead, etc.).

The following measures should also be taken: Ensure the safety of the traffic, pedestrians, herders and their livestock on all construction and installation sites by signalling and billboards, installation of protections and guardrails, temporary crossings, etc., by diverting traffic to the least hazardous side of the roads under construction;

Train staff, particularly drivers, to respect pedestrians and animal herds;

Trenches should be surrounded by solid barriers as needed.

A lighting system for barriers and walkways should be provided at night;

Ensure required signalling and guarding;

Adequately signal construction work.

Ensure that the vehicles are circulating, except when it is absolutely impossible;

Roads should not be closed simultaneously over more than half of their width;

Trenches along roads that affect the road's right-of-way should not be opened over a length exceeding 200 meters;

Protect the walls of neighbouring property, public roads, curbs, milestones, power lines or telephone lines, and all kinds of pipes and cables encountered in the soil etc from any destruction;

Maintain existing cables, pipes, and installations in working condition throughout the duration of the construction work, ensuring the distribution of potable water or the evacuation of waste water.

The Contractor must not give, practice trade by barter, or otherwise transfer any weapon or ammunition of any kind to anyone or allow their staff to do so.

V.5. Plan/programme/measures for managing displacement of people from the project area: Restriction of access for neighbouring residents to their residences or businesses and/or transit paths (See also Resettlement Plan for sub-projects, if applicable).

The Contractor must know that the public purpose perimeter related to the operation is the perimeter that may be affected by the works. Work may only commence in areas affected by private land holdings after these have been released following an acquisition procedure for which the Government/Borrower is responsible.

Before starting the works, the Contractor must initiate a procedure for identifying the networks of concessionaires (drinking water, electricity, telephone, sewage, etc.) on a map, which will be formalised by a report signed by all parties (Contractor, Project Manager, concessionaires).

The Contractor must take all necessary precautions to avoid any kind of damage to people or property of any kind, including adjacent properties to the works, being solely and exclusively responsible for repairing the damage and harm caused by and/or his works.

The Contractor cannot begin work in areas where it is necessary to permanently restrict access to the land until the dispossession or physical displacement and subsequent release of the areas for the execution of the works have been completed, which is the responsibility of the Contracting authority. To this effect, the Contractor will present the detailed schedule for the implementation of the works. The surface areas to be used for the project are described in the Work Relocation Plan, based on this specification.

To maintain the existing services in the areas of direct influence, before the start of the works, the Contractor must request the Project Owner to make a formal communication with the entities or service concessionaires (telephony, sanitation, water and gas distribution) so that they can relocate the infrastructure that may be affected by the works, in order not to harm the user population or the development of the works. At the request of the Contractor, the Contracting authority must provide assistance to communication with the organizations, entities, or services affected by the project's impact zone.

The Contractor cannot restrict access for pedestrians and vehicles to their homes and/or businesses during the works, but this should be avoided as much as possible. When restriction cannot be avoided, a management plan including adequate temporary access previously agreed upon with the concerned parties will be prepared for approval by the Contracting Authority. The Contractor will implement the plan as soon as it is approved by the Contracting authority.

For works requiring a temporary interruption of traffic, the Contractor will submit his detailed work schedule to the Project Manager at least one (1) month ahead of time. After approval, the Contractor will be responsible for displaying this interruption schedule wherever necessary, officially informing local authorities and populations (for example, by radio). Under no circumstances can traffic interruptions exceed four (4) consecutive hours during the day and eight (8) consecutive hours at night.

The Contractor shall notify the Contracting Authority if, during the execution of the works, the need for passage or transit services for the purposes of the works is established, including details on the type and dimensions, so that the Contracting Authority may request for temporary road closure.

The Contractor shall be required, throughout the duration of the project and along the entire length of the sections included in his contract, to maintain traffic flow at his own expense if necessary by creating diversions and temporary crossing works for streams and watercourses. He may, always at his own expense and under his responsibility, install storm water barriers to protect his works. He shall remain responsible until the provisional acceptance of any damage, whether caused by his own equipment or by a third party.

#### V.6. Plan/programme/measures for the management of the cultural heritage

To enable the project to generate positive impacts on the host social environment, the Contractor shall employ (besides his technical management staff) the largest possible number of workers from the area where the project is being implemented, in order to generate local socio-economic benefits and reduce

the risks of GBV, SEA/SH, and the spread of STDs/AIDS. In the event of the absence of qualified personnel on site, the Contractor is authorised to employ workers from outside the work zone. The Contractor shall comply with the project's labour management procedure.

The Contractor shall:

Ensure that the project does not alter historical, archaeological, or cultural sites.

Take into account the concerns of women and encourage their involvement in decision-making.

Recruit unskilled workers primarily from the local population.

The following measures shall be taken in the event of discovery of objects of cultural or religious value during the excavations:

Immediate cessation of work following the discovery of any material with potential archaeological, historical, palaeontological, or other cultural value. The Contractor should notify the Project owner and the competent authorities about the discovery.

The objects should be properly protected using plastic covers, and where necessary, measures should be taken to stabilise the area in order to properly protect the objects.

Work shall only resume after the Contractor has received authorisation from the competent authorities.

#### V.7. Social Communication Plan/Programme/Measures

The Contractor shall prepare a Social Communication Programme (SCP) aimed at informing the neighboring population about the aspects inherent to the works before their commencement. The SCP will inform the communities (i) of the work execution schedule and their needs (e.g. Scheduled access restrictions, etc.); (ii) the progress of the work and the programming of new work sites, the need to stop work or interrupt traffic; (iii) preventive measures to be adopted to ensure environmental protection and the protection of neighboring populations; and (iv) the channels and means of communication through which the population can express their doubts, complaints, and suggestions.

The SCP will include the production and printing of posters, leaflets, brochures, and other graphic materials, which will be distributed to the community and placed in locations allowing everyone to access the information. This material must receive prior approval from the Contracting Authority before dissemination.

#### V.8. Complaint management plan/programme/measures: The Complaint Management Mechanism (CMM)

The Contractor shall organise and manage a complaint management system for cases that may arise during the execution of the works. The Contractor shall be responsible for recording the complaint in accordance with the CMM of the Project, including the date of its occurrence, the response, and the date to the complainant or the referral of the complaint to the Contractor, if it is not within his jurisdiction. Similarly, the Contractor shall provide a mechanism that facilitates access for complaints from workers and their organisations, independent of other legal remedies, so that they may express their concerns regarding working conditions, with a guarantee of response to the complainants, without any retaliation. This mechanism should be linked to the Workers Complaints Management Mechanism (WCMM) established by the Project to guarantee transparency and efficiency in responding to and resolving

grievances/complaints. To this end, the PMU shall be involved in collecting, processing, and archiving complaints/grievances at all levels, in accordance with the CMM and WCMM.

A spreadsheet containing the cases that occurred with information on treatment and resolution shall be forwarded to the Project Manager and the Project Owner on a monthly basis.

In accordance with the Project's CMM, complaints may be made in person at the construction site, by means of the telephone call provided by the contractor, the telephone and the channels activated by the Project.

The Contractor shall publish the channels for receiving complaints on signboards to be installed at least on the construction site and in graphic documents that are easily understandable by all, produced as part of the communication programme. At the work sites, the CMM information signboards may be displaced from the temporary sites to the permanent sites, depending on the duration of the work. They will be fixed and placed in areas that are frequently visited and easily accessible to all persons with access to the sites (for example, the entrance to the construction bases and living quarters, construction site notice boards, etc.).

Complaints will be analysed and resolved according to their nature and complexity. Complaints that will be handled by the Contractor generally include issues related to the risks and direct impacts of the works, inappropriate conduct with communities, risks to the health and safety of the community that could be caused by the project's activities, equipment and infrastructure, and potential exposure of the community to disease.

The Contractor shall systematically record all referrals made to the project owner for cases whose resolution does not fall within his competence. A report containing the cases that occurred, along with information on their processing and resolution, shall be submitted to the project manager on a monthly basis.

The Project Owner or the Project Owner's representative shall be responsible for complaints that do not fall within the Contractor's remit.

#### CLEANING UP THE SITE AT THE END OF THE WORK

At the end of the work, the Contractor must carry out all the work necessary to restore the site to its original condition. The Contractor shall recover all his equipment, machinery and materials. No equipment or materials should be abandoned on the site or in the surrounding area. Concrete areas shall be demolished and demolition materials shall be deposited at a suitable site approved by the engineer. At the time of withdrawal, the drains of the installation shall be cleaned to prevent accelerated erosion of the site.

If it is in the Project Owner's interest to recover the fixed installations for future use, the Administration may ask the Contractor to transfer to him without compensation the installations subject to demolition during a withdrawal.

After the equipment has been removed, a report confirming the restoration of the site must be drawn up and attached to the works acceptance report.

#### APPENDICES

##### Appendix 1: Contents of the construction site ESMP

Description of activities likely to generate environmental and social risks and impacts for the sub-project in question:

Description, in the light of the receiving environments, of the environmental and social risks and impacts, occupational health and safety, and SEA/SH aspects to be managed. (This description of the activity areas must present the state of the site, supported by photographs taken before the start of operations).

The Contractor shall document the situation in all areas using dated and georeferenced colour photographs, taken from a constant viewpoint and angle, before the start of work, at each significant stage of progress, and until provisional acceptance.

4) Environmental and Social (E&S) risks and impacts mitigation measures: procedures and plans to be reported (frequency) as follows:

Appropriate procedures for the storage, collection, transportation and disposal of hazardous waste;

Preventive measures against noise pollution and dust emissions;

Principles for the storage and use of potentially polluting substances;

Measures to protect natural areas against fire outbreak;

Procedure for the management of non-compliances;

Solid waste management plan;

Incident investigation procedures;

Health, hygiene and safety plan. A health and safety plan will be an integral part of the construction site ESMP to ensure that activities are carried out safely on site. As such, in this plan, the contractor will:

Identify hazards to safety, hygiene and health, including the exposure of staff to chemicals, biological and physical hazards, etc.;

Describe working methods to minimise hazards and control risks;

List the types of work requiring a work permit;

Describe the appropriate personal protective equipment that is needed for each workstation;

Describe the collective protective equipment needed at the workplace;

Present the medical facilities in the activity zone (medical equipment, medical personnel, healthcare centre, emergency medical evacuation procedure);

Describe the internal organisation and actions to be taken in the event of an accident or incident.

Present the workforce management plan/programme/measures;

Present the workforce influx management plan/programme /measures;

Present the plan/programme/measures for the prevention and management of Gender-Based Violence with particular focus on sexual exploitation and abuse (SEA) and sexual harassment (SH);

Present the plan/programme/measures for the prevention of damage to persons and property;

Present the plan/programme/measures for the management of occupation of the right-of-way by persons; Restriction of access of local residents to their residences or businesses and/or rights of way or transit paths (See also Resettlement Plan for sub-projects, if applicable);

Present the cultural heritage management plan/programme /measures;

Present the social communication plan/programme/measures;

Present the complaints management plan: the complaints management mechanism (CMM)

Present the fines and penalties;

5) Responsibilities for implementing the construction site ESMP

The responsibility for implementing the construction site ESMP should:

Provide a precise description of the entity responsible for implementing mitigation and monitoring measures:

Specify staff training and any additional measures that may be necessary to support the implementation of mitigation measures and any other environmental and social recommendations.

a) Implementation schedule and cost estimate.

A schedule for the implementation of the measures to be taken as part of the project, indicating the various stages and coordination with the overall project implementation plans. An estimate of its investment cost and recurring expenses, as well as the sources of financing for the implementation of the ESMP.

7) Monitoring plan

The ESMP shall define the objectives of the monitoring and indicate the nature of the actions carried out in this regard, linking them to the effects examined in the environmental and social assessment and the mitigation measures described. The Monitoring plan shall provide:

a) a detailed and technical description of the monitoring measures, including the parameters to be measured, the methods to be used, the sampling locations, the frequency of measurements, the detection limits (if applicable), and a definition of the thresholds that will indicate the need to apply corrective measures; and

b) The monitoring and reporting procedures to: i) ensure early detection of conditions that require specific mitigation measures, and ii) provide information on the progress and results of mitigation actions.

c) An estimate of its investment cost and recurring expenses, as well as the sources of funding for its

## ANNEX 2: Quotation Forms

### Contractor Quotation Form

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

To:	<i>[Insert Employer's name]</i>
Employer's Representative:	<i>[Insert name of Employer's Representative]</i>
Title/Position:	<i>[Insert Representatives title or position]</i>
Address:	<i>[Insert Employer's address, including email]</i>
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.



# 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

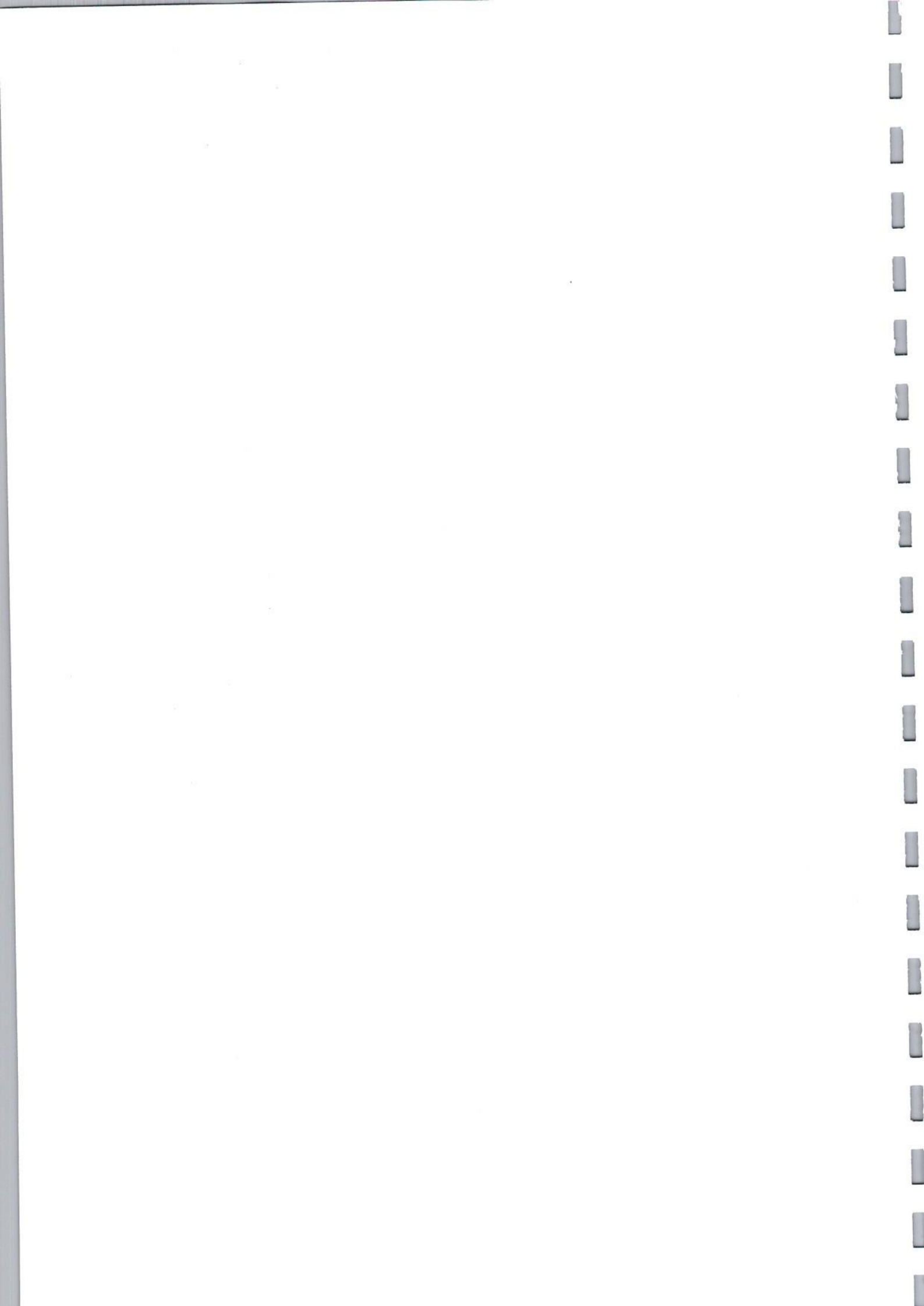
Inclinable de 0° à 90°

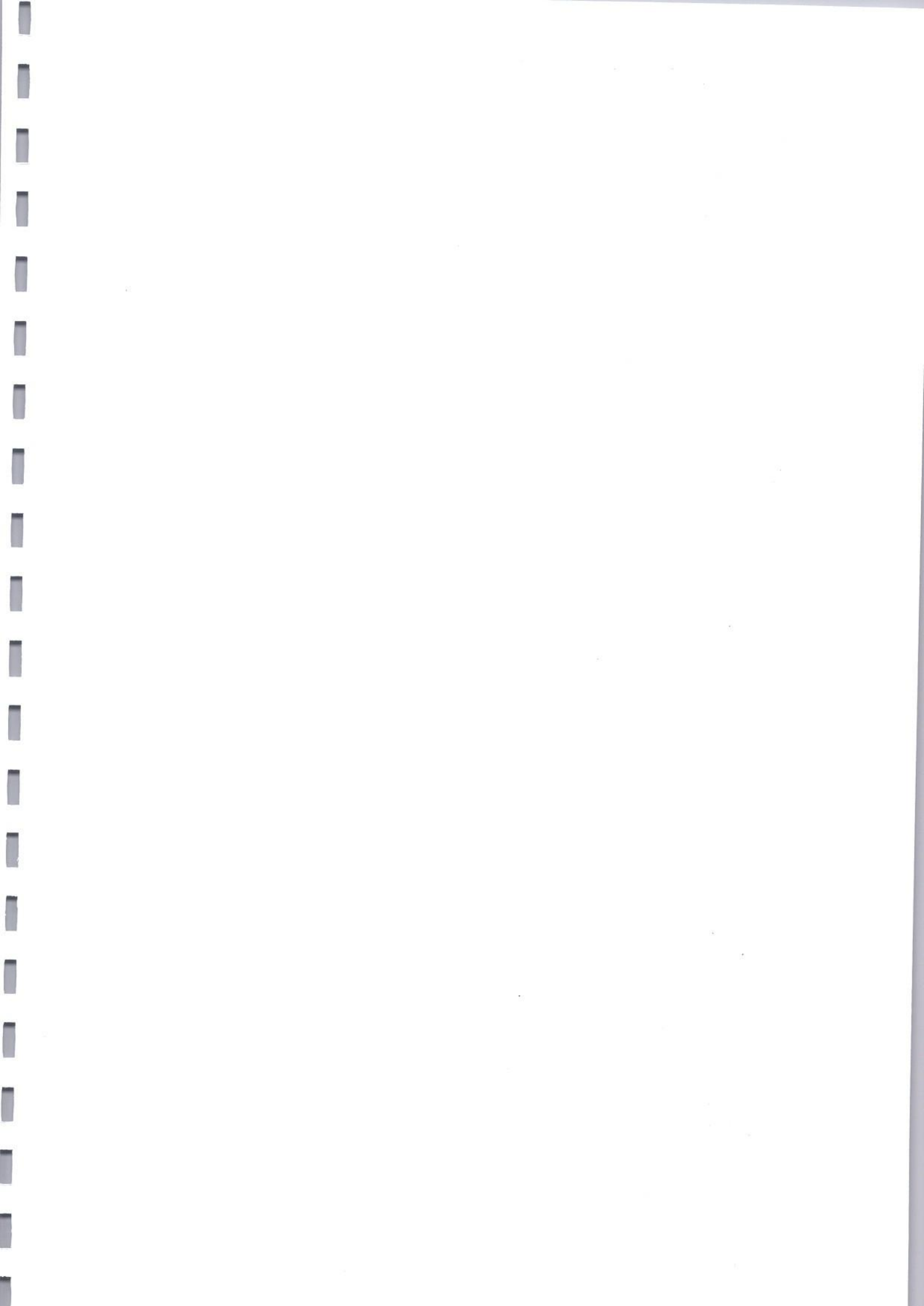
## ANTI VANDALISME

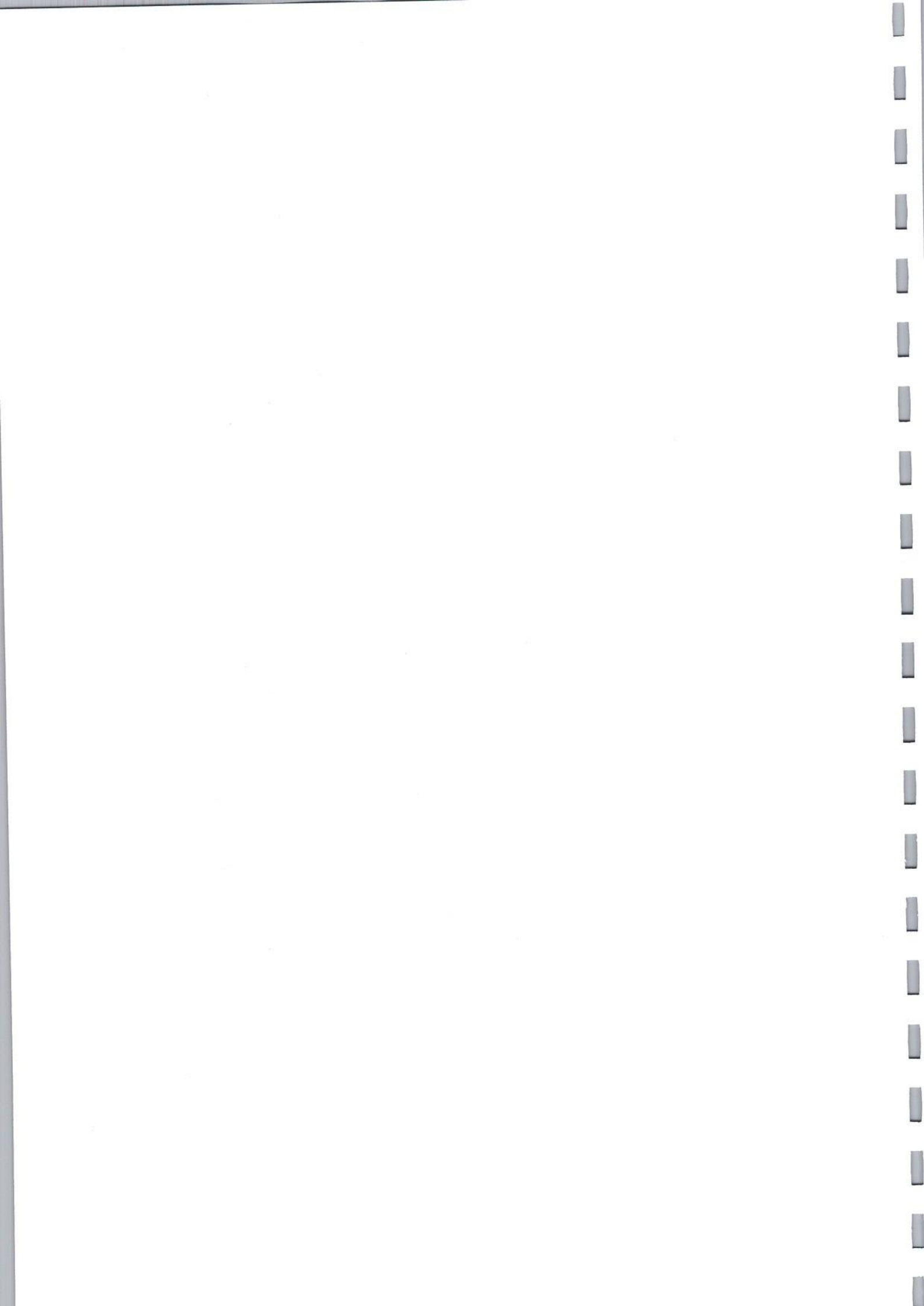
avec protection renforcée  
contre les chocs et les tentatives de sabotage



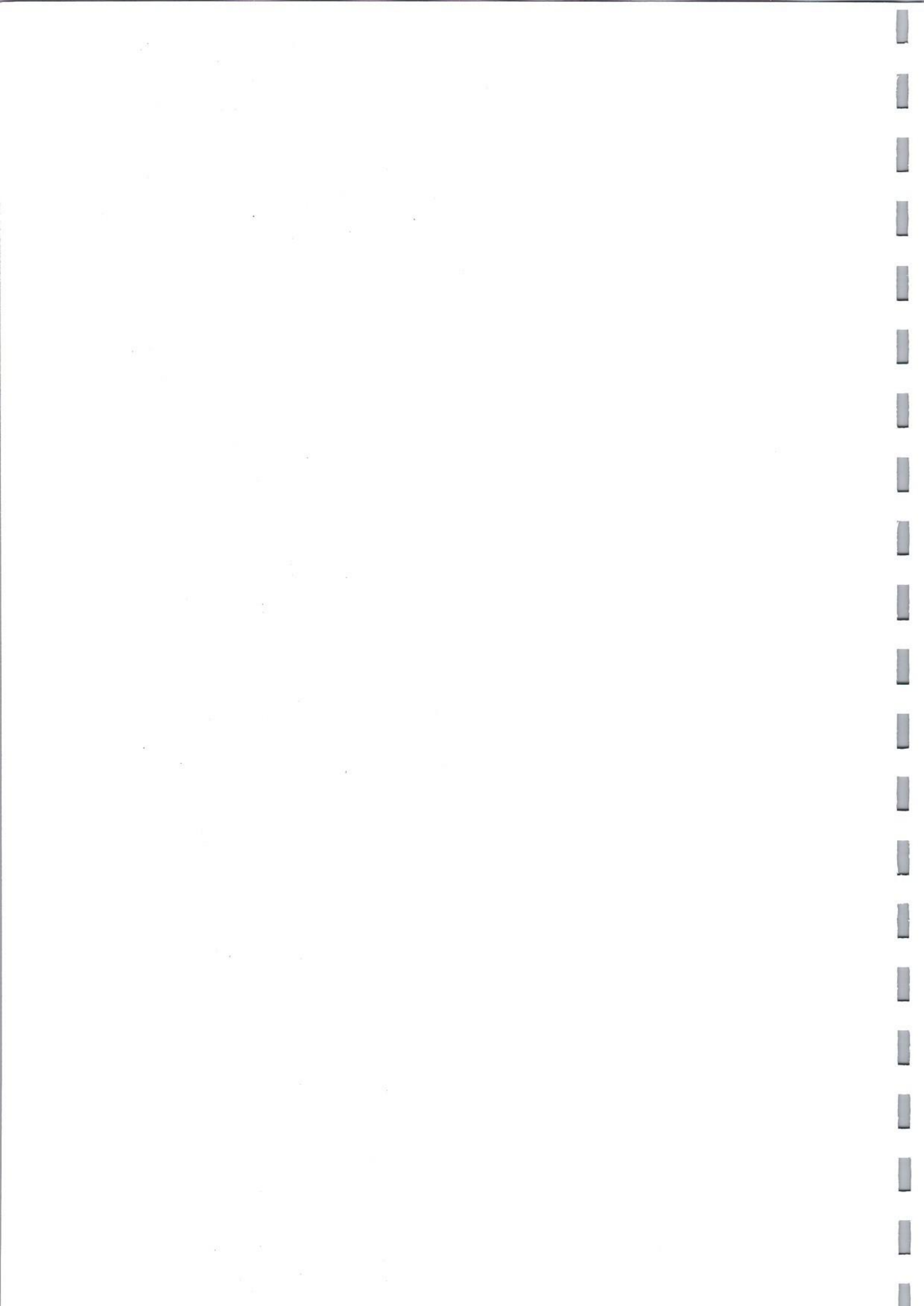












## Schedules of unit prices for.....

### UNIT PRICE SCHEDULE (BPU)

#### FOR THE INSTALLATION OF SOLAR STREET LIGHTS FROM SEVEN DOORS TO NGWAFO STREET TO BUM QUATER AND AT LOW-COST HOUSING IN NTAMBAG QUATER IN BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION BY EMMERGENCY PROCEDURE

SCHEDULE OF UNIT PRICE FOR THE INSTALLATION OF SOLAR LIGHTS FROM SEVEN DOORS TO NGWAFO STREET TO BUM QUATER, BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION.				
S/N	DESCRIPTION	UNIT	U.P	AMOUNT
	<b>100 DATA COLLECTION, DESIGN, AND SITE INSTALLATION</b>			
101	Site installation, mobilization and demobilization of materials and equipment's	LS		
102	Site clearance, setting out	LS		
103	Execution program and As built plan	LS		
104	Environmental Impact Notice (EIN)	LS		
	<i>SUB TOTAL 100</i>			
	<b>200 EARTH WORKS</b>			
201	Excavation of foundation pit	m3		
202	Backfilling of foundation pit	m3		
203	Reinforced concrete for footings 50cm /50cm dosed at 400kg/m <sup>3</sup> of 1,2m depth with corrugated iron rods of 10mm and 27mm steel bulls and nuts for fitting	m3		
	<b>SUB TOTAL 200</b>			
	<b>300 INSTALLATIONS OF PV COMPONENTS</b>			
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 30degree inclination	U		
309	Supply and installation of cables and other accessories	U		
	<b><i>SUB TOTAL 300</i></b>			
	<b><i>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</i></b>			
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		
	<b><i>SUB TOTAL 400</i></b>			

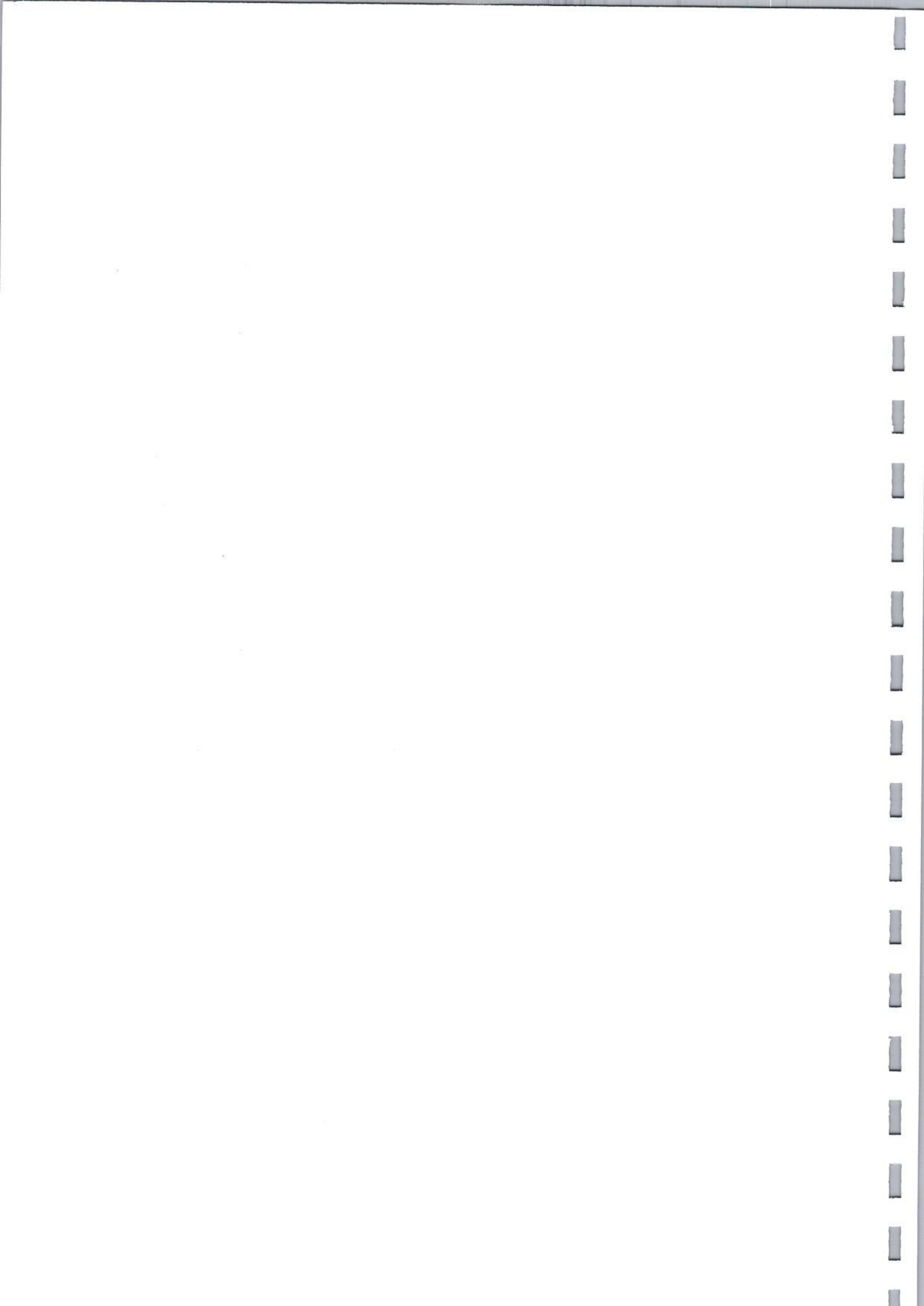
**SCHEDULE OF UNIT PRICE FOR THE INSTALLATION OF SOLAR STREET LIGHTS AT LOW-COST HOUSING IN NTAMBAG, BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION**

S/N	DESCRIPTION	UNIT	U.P IN FIGURES	UP IN WORDS
	<b>100 DATA COLLECTION, DESIGN, AND SITE INSTALLATION</b>			

101	Site installation, mobilization and demobilization of materials and equipment's	LS		
102	Site clearance, setting out	LS		
103	Execution program and As built plan	LS		
104	Environmental Impact Notice (EIN)	LS		
	<b><i>SUB TOTAL 100</i></b>			
	<b>200 EARTH WORKS</b>			
201	Excavation of foundation pit	m3		
202	Backfilling of foundation pit	m3		
203	Reinforced concrete for footings 50cm /50cm dosed at 400kg/m3 of 1.2m depth with corrugated iron rods of 10mm and 27mm steel bolts and nuts for fitting	m3		
	<b>SUB TOTAL 200</b>			
	<b>300 INSTALLATIONS OF PV COMPONENTS</b>			
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 30degree inclination	U		
309	Supply and installation of cables and other accessories	U		
	<b><i>SUB TOTAL 300</i></b>			

	<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>			
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		
	<b>SUB TOTAL 400</b>			

306	Supply and installation of 60w LED street lamp with 150lux minimum	U	6		
307	Supply and installation of charge controller.20A-30A, 12 VOLTS.	U	6		
308	Supply and installation of solar panel tilts with an angle of 30degree inclination	U	6		
309	Supply and installation of cables and other accessories	U	6		
	<b>SUB TOTAL 300</b>				
	<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>				
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	2		
	<b>SUB TOTAL 400</b>				
	<b>SUMMARY</b>				
	<b>100 PRELIMINARY STUDIES, AND SITE INSTALLATION</b>				
	<b>200 INSTALLATIONS OF PV COMPONENTS</b>				
	<b>300 SUNDRY EXPENSES</b>				
	<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>				
	<b>TOTAL EXCLUDING TAXES</b>				
	<b>VAT 19.25%</b>				
	<b>AIR 2.2% OR 5.5%)</b>				
	<b>TOTAL INCLUDING TAXES</b>				
	<b>NET AMOUNT PAYABLE</b>				



## Bill of Quantities

# FRAMEWORK OF QUANTITATIVE AND ESTIMATED DETAIL

**BILL OF QUANTITIES AND COST ESTIMATES FOR THE INSTALLATION OF SOLAR STREET LIGHTS AT LOW-COST HOUSING IN NTAMBAG, BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION**

S/N	DESCRIPTION	UNIT	QTY	U.P	AMOUNT
	<b>100 DATA COLLECTION, DESIGN, AND SITE INSTALLATION</b>				
101	Site installation, mobilization and demobilization of materials and equipment's	LS	1		
102	Site clearance, setting out	LS	1		
103	Execution program and As built plan	LS	1		
104	Environmental Impact Notice (EIN)	LS	1		
	<b>SUB TOTAL 100</b>				
	<b>200 EARTH WORKS</b>				
201	Excavation of foundation pit	m3	25		
202	Backfilling of foundation pit	m3	12		
203	Reinforced concrete for footings 50cm /50cm dosed at 400kg/m <sup>3</sup> of 1.2m depth with corrugated iron rods of 10mm and 27mm steel bulls and nuts for fitting	m3	2.3		
	<b>SUB TOTAL 200</b>				
	<b>300 INSTALLATIONS OF PV COMPONENTS</b>				
301	Supply and installation of PV Panels. Wp 150W,	U	6		
302	Supply and installation of galvanize pole of 7m height .155mm bottom and 60mm top with bottom plate 80mm zinc for screen	U	6		
303	Supply and installation of lithium ions batteries. 12V, 54AH	U	6		
304	Supply and installation of 60w LED street lamp with 1500lux minimum	U	6		
305	Supply and installation of lithium ions batteries BOX. 12V, 54AH	U	6		

306	Supply and installation of 60w LED street lamp with 1500lux minimum	U	6		
307	Supply and installation of charge controller.20A-30A. 12 VOLTS.	U	6		
308	Supply and installation of solar panel tilts with an angle of 30degree inclination	U	6		
309	Supply and installation of cables and other accessories	U	6		
<b>SUB TOTAL 300</b>					
<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>					
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	2		
<b>SUB TOTAL 400</b>					
<b>SUMMARY</b>					
<b>100 PRELIMINARY STUDIES, AND SITE INSTALLATION</b>					
<b>200 INSTALLATIONS OF PV COMPONENTS</b>					
<b>300 SUNDRY EXPENSES</b>					
<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>					
<b>TOTAL EXCLUDING TAXES</b>					
<b>VAT 19.25%</b>					
<b>AIR 2.2% OR 5.5%)</b>					
<b>TOTAL INCLUDING TAXES</b>					
<b>NET AMOUNT PAYABLE</b>					

**BILL OF QUANTITIES AND COST ESTIMATES FOR THE INSTALLATION OF SOLAR LIGHTS FROM SEVEN DOORS TO NGWAFO STREET TO BUM QUATER, BAMENDA II SUB DIVISION, MEZAM DIVISION OF THE NORTH WEST REGION**

N	DESCRIPTION	UNIT	QTY	U.P	AMOUNT
	<b>100 DATA COLLECTION, DESIGN, AND SITE INSTALLATION</b>				
01	Site installation, mobilization and demobilization of materials and equipment's	LS	1		
02	Site clearance, setting out	LS	1		
03	Execution program and As built plan	LS	1		
04	Environmental Impact Notice (EIN)	LS	1		
	<b>SUB TOTAL 100</b>				
	<b>200 EARTH WORKS</b>				
01	Excavation of foundation pit	m3	45		
02	Backfilling of foundation pit	m3	22		
03	Reinforced concrete for footings 50cm /50cm dosed at 400kg/m <sup>3</sup> of 1.2m depth with corrugated iron rods of 10mm and 27mm steel bulls and nuts for fitting	m3	<b>5.45</b>		
	<b>SUB TOTAL 200</b>				
	<b>300 INSTALLATIONS OF PV COMPONENTS</b>				
01	Supply and installation of PV Panels. Wp 150W,	U	11		
02	Supply and installation of galvanize pole of 7m height .155mm bottom and 60mm top with bottom plate 80mm zinc for screen	U	11		
03	Supply and installation of lithium ions batteries. 12V, 54AH	U	11		
04	Supply and installation of 60w LED street lamp with 1500lux minimum	U	11		
05	Supply and installation of lithium ions batteries BOX. 12V, 54AH	U	11		
06	Supply and installation of 60w LED street lamp with 1500lux minimum	U	11		
07	Supply and installation of charge controller.20A-30A, 12 VOLTS.	U	11		

308	Supply and installation of solar panel tilts with an angle of 30degree inclination	U	11		
309	Supply and installation of cables and other accessories	U	11		
	<b><i>SUB TOTAL 300</i></b>				
	<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>				
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	2		
	<b><i>SUB TOTAL 400</i></b>				
	<b>SUMMARY</b>				
	<b>100 PRELIMINARY STUDIES, AND SITE INSTALLATION</b>				
	<b>200 INSTALLATIONS OF PV COMPONENTS</b>				
	<b>300 SUNDRY EXPENSES</b>				
	<b>400; ENVIRONMENTAL AND SOCIAL SAFEGUARD MEASURES</b>				
	<b>TOTAL EXCLUDING TAXES</b>				
	<b>VAT 19.25%</b>				
	<b>AIR 5.5%)</b>				
	<b>TOTAL INCLUDING TAXES</b>				
	<b>NET AMOUNT PAYABLE</b>				