

REPUBLIQUE DU CAMEROUN  
Paix-Travail-Patrie

MINISTRE DE L'ADMINISTRATION  
TERRITORIALE  
ET DE LA DECENTRALISATION

REGION DU NORD OUEST

DEPARTEMENT DE LA MEZAM

COMMUNE DE BALI



REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

MINISTRY OF TERRITORIAL  
ADMINISTRATION  
AND DECENTRALISATION

NORTH WEST REGION

MEZAM DIVISION

BALI COUNCIL

## BALI COUNCIL INTERNAL TENDERS BOARD (B.C.ITB)

### TENDER FILE

OPEN NATIONAL INVITATION TO TENDER No: 002/ONIT/BC/BCITB/2025 OF 24/04/ 2025  
FOR THE CONSTRUCTION OF A BOREHOLE AT YOUTH CENTRE IN GWAN PHASE I BALI  
SUBDIVISION, MEZAM DIVISION OF THE NORTH WEST REGION

#### PROJECT OWNER:

THE MAYOR OF BALI COUNCIL

#### CONTRACTING AUTHORITY:

THE MAYOR OF BALI COUNCIL

Financing: \_\_\_\_\_

Imputation: \_\_\_\_\_

# Document No. 1

## Tender Notice

found in document No. 12 of the tender file of an amount of FCFA 200 000 (Two hundred thousand CFA francs) per lot and valid for thirty (30) days beyond the date of validity of bids.

#### **9. Consultation of Tender File:**

The file may be consulted during working hours at the BALI Council office, Tel No. .... as soon as this notice is published.

#### **10. Acquisition of files:**

The tender file may be acquired from the BALI Council office upon presentation of a non-refundable treasury receipt of (20,000) CFA. Such a receipt shall identify the payer as representing the company that wants to participate in the tender.

**11. Presentation of tender file:** the tender file in two volumes shall be enclosed in two sealed envelopes

- Envelop A containing the administrative documents (volume 01)
- Envelop B containing Technical (Volume 02)
- Envelop C Containing financial Documents (Volume 03)

The Three (03) volumes shall then be enclosed in a single sealed enveloped bearing only the reference of the tender in question. The different documents of each offer shall be numbered as indicated in the tender file and separated by divider of same colours.

#### **12. Submission of bids:**

Each offer drafted in English or French in 07 (seven) copies including 01 (one) original and 06 (six) copies marked as such in accordance with the prescriptions of the tender file should be submitted against a receipt at the BALI Tender Board Service of Award, Tel: ....., not later than ..... at 10:00 a.m. local time and should carry the inscription.

**<< OPEN NATIONAL INVITATION TO TENDER No: 002/ONIT/BC/BCITB/2025 OF 17/04/ 2025 FOR THE CONSTRUCTION OF A BOREHOLE AT YOUTH CENTRE IN GWAN PHASE I BALI SUBDIVISION, MEZAM DIVISION OF THE NORTH WEST REGION>>**

*"To be opened only during the bid-opening session"*

#### **13. Admissibility of bids**

Under penalty of being rejected, only originals or certified true copies signed by the issuing service or administrative authorities (Senior Divisional Officer, and Divisional Officers) must imperatively be produced in accordance with the Special Regulations of the Invitation to Tender.

They must obligatorily not be older than three (3) months preceding the date of submission of bids or may be established after the signature of the tender notice

Any bid not in compliance with the prescriptions of the Tender File shall be rejected. This refers especially to the absence of a bid bond issued by a first-rate bank approved by the Minister in charge of Finance.

#### **14. Opening of bids**

The bids shall be opened in a single phase. The opening of the administrative documents, the Technical and Financial offers will take place on the **29/05/2025** at **11:00am** local time, in the conference hall of the BALI Tenders' Board, by its competent Members. Only bidders may attend or be represented by duly mandated persons of their choice and having a good knowledge of their files.

#### **15. Evaluation criteria**

The bids shall be evaluated according to the main criteria as follows:

##### **A. Eliminatory criteria**

1. Absence of bid bond in the administrative file;
2. A bid with the external envelope carrying a sign or mark leading to the identification of the bidder;

##### **B. Essential criteria**

- 1- General presentation of the Tender Files;
- 2- Financial capacity;
- 3- References of the company in similar achievements visa by the competent authority;
- 4- Quality of the personnel per lot requested;





## AVIS D'APPEL D'OFFRES

**AVIS D'APPEL D'OFFRES NATIONAL OUVERT NO : 002/AONO/BC/BCITB/2025 DU 17/04/2025 POUR LES TRAVAUX DE CONSTRUCTION DES RESERVOIRS DE ELEVES DANS CENTRE JEUNE EN GWAN PHASE I DE LE COMMUNE DE, L'ARRODISSEMENT DE BALI, DEPARTEMENT DE MEZAM.**

**Financement : BUDGET D'INVESTISSEMENT PUBLIC 2025**

### 1. Objet de l'Appel d'Offre

Le Maire de Commune de BALI, Autorité Contractante, relance pour le compte de la République du Cameroun, un appel d'offres national ouvert pour les travaux de construction des forages équipés des pompes solaires avec des réservoirs de Centre Jeune De Gwan De Le Commune De, L'arrodissement De Bali, **Departement De Mezam**

### 2. Consistance des prestations :

Les prestations du présent marché comprennent les activités suivantes :

- Installation de chantier;
- Travaux de forage;
- Construction de structure surelevee
- Conception, nettoyage, essai de pompage ;
- Structure et installation manuelle de pompe ;
- Formation sur l'entretien et l'opération.
- Report technique complète du projet

### 3. Délais d'exécution

Le délai maximum prévu par le Maître d'Ouvrage pour la réalisation des travaux objet du présent appel d'offres est de **trois (03) mois**.

### 4. Allotissement

**Lots: le lot est unique comme suit;** de Construction Des Reservoirs De Eleves Dans centre jeune De Le Commune De, L'arrodissement De Bali, **Departement De Mezam**

### 5. Coût prévisionnel

Le cout prévisionnel de l'opération sont présentes dans la tableau suivant

	Cost	Total cost
CONSTRUCTION DES RESERVOIRS DE ELEVES DANS CENTRE JEUNE EN GWAN PHASE I	10,000,000	10,000,000

### 6. Participation et origine :

La participation est ouverte à l'égalité de conditions aux .....

### 7. Financement :

Les travaux objet du présent appel d'offres sont financés par le Budget d'Investissement Publics MINDDEVEL de Cameroun de l'exercice 2025.

### 8. Cautionnement provisoire

Chaque soumissionnaire doit joindre à ses pièces administratives, une caution de soumission établie par



Les critères relatifs à la qualification des candidats porteront à titre indicatif sur :

- 1- Présentation générale de l'offre ;
- 2- Capacité financière ;
- 3- Références de l'entreprise dans les réalisations similaires ;
- 4- Qualité du personnel ;
- 5- Organisation technique des travaux ;
- 6- Sécurité au chantier ;
- 7- Moyens logistiques ;
- 8- Attestation de visite de site signée sur l'honneur par le soumissionnaire. accompagnée d'un rapport de visite du site avec des photos du site ;
- 9- Cahier des Clauses Techniques Particulières paraphé à chaque page ;
- 10- Cahier des Clauses Administratives Particulières complété et paraphé à chaque page.

Les critères essentiels sont soumis à des minima dont le détail est donné dans le Règlement Particulier de l'Appel d'Offres (RPAO).

#### 16. Attribution

Cette évaluation se fera de manière purement positive (oui) ou négative (non) avec un minimum acceptable d'au moins **33/44(75%)** de l'ensemble des critères essentiels pris en compte.

Le marché sera attribué au soumissionnaire qui aura proposé l'offre la moins disante, conforme pour l'essentiel aux prescriptions du Dossier d'Appel d'Offres, ayant satisfait à **100%** des critères éliminatoires et au moins **33/44(75%)** des critères essentiels.

#### 17. Durée de validité des offres

Les soumissionnaires restent engagés par leur offre pendant 60 jours à partir de la date limite fixée pour la remise des offres.

#### 18. Renseignements complémentaires

Les renseignements complémentaires d'ordre technique peuvent être obtenus auprès de la Mairie de BALI.

#### Copie :

- ✓ ARMP (pour publication et archivage)
- ✓ DDMINDDEVEL/MEZAM
- ✓ Président BCITB (pour information)
- ✓ Affichage.
- ✓ Chrono/archive



Bamenda, le \_\_\_\_\_  
Le Maire de Commune de BALI  
(Autorité Contractante)

*Wenderson Bilingue Comat*  
**LORD MAYOR  
BALI COUNCIL**

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## **GENERAL RULES OF THE INVITATION TO TENDER**

### **A. General**

#### **Article 1: Scope of the tender**

The Mayor, Contracting Authority hereby launches OPEN NATIONAL INVITATION TO TENDER N°002/ONIT/  
BC/BCITB/2025



A bidder shall be judged to be in a situation of conflict of interest if he:

- i) is associated or was associated in the past with an enterprise (or a subsidiary of this enterprise) which provided consultancy services for the conception, preparation of specifications and other documents used within the scope of contracts awarded for this invitation to tender; or
  - ii) Presents more than one offer within the context of invitation to tender, except authorised variants according to article 17, where need be; meanwhile, this does not prevent the participation of sub-contractors in more than one bid.
  - iii) The Contracting Authority or Project Owner has financial interests in the capital in a way as to compromise the transparency of the procedures of award of Public Contracts.
- (c) The bidder must not have been excluded from bidding for public contracts.
- (d) A Cameroonian Public enterprise may participate in the TENDER if it can demonstrate that it is legally and financially autonomous, (ii) managed according to commercial laws and (iii) not under the direct supervisory authority of the Contracting Authority or Project Owner.

A Cameroonian public enterprise may participate in the TENDER if it can demonstrate that it is

- (i) Legally and financially autonomous,
- (ii) Managed according to commercial laws and
- (iii) Not under the direct supervisory authority of the Contracting Authority.

#### **Article 5: Building materials, supplies equipment and authorised services**

5.1 Building materials, the contractor's materials, supplies, equipment and services forming the subject of this contract must originate from countries meeting the criteria of origin defined in the Special Regulations of the invitation to tender and all expenditure done within the context of the contract shall be limited to the said building materials, supplies, equipment and services.

5.2 Within the meaning of this 5.1 above, the term "originate" shall designate the place where the goods are extracted, cultivated, produced, manufactured and from where the services originate.

#### **Article 6: Qualification of bidder**

6.1 As an integral part of their offer, bidders must:

- (a) submit a power of attorney making the signatory of the offer bound by the bid; and
- (b) provide all information (complete or update information included in their request for pre-qualification which may have changed in the case where the candidates took part in pre-qualification) requested of bidders in the Special Regulations of the Invitation to Tender, in order to establish their qualification to execute the Contract.

Where necessary, bidders should update the information relating to the following points:

- (i) Access to a credit line or availability of other sources of funding; considering the scope of the services, the production of recent balance sheets and turnovers may be required;
- (ii) Orders acquired and contracts awarded;
- (iii) Pending litigations; and
- (iv) Availability of indispensable equipment.

6.2 Bids presented by two or more associated undertakings (joint-Contracting) must satisfy the following conditions:



Document No. 4. The Special Administrative Conditions;  
Document No. 5. The Special Technical Conditions;  
Document No. 6. The schedule of unit prices;  
Document No. 7. The bill of quantities and estimates;  
Document No. 8. The sub details of unit prices;  
Document No. 9. Model documents of the Contract:

- a. The execution schedule;
- b. Model of forms presenting the equipment, personnel and references;
- c. Model bidding letter;
- d. Model bid bond;
- e. Model final bond;
- f. Model of bond of start-off advance;
- g. Model of guarantee in replacement of the retention fund;
- h. Model Contract;

Document No. 10. Models to be used by bidders;

- a. Model Contract;

Document No. 11. Justifications of preliminary studies; to be filled by the Project Owner or Delegated Project Owner;

Document No. 12. List of first grade banking establishments or financial institutions approved by the Minister in charge of Finance authorised to issue bonds for Public Contracts to be inserted by the Contracting Authority.

8.2 The bidder must examine all the regulations, forms, conditions and specifications contained in the Tender File. It is up to him to furnish all the information requested and prepare a bid in compliance with all aspects of the said file.

#### **Article 9: Clarifications on the Tender File and complaints**

9.1 Any bidder who wants to obtain clarifications on the Tender File may request them from the Contracting Authority in writing or by electronic mail (fax or e-mail) at the Contracting Authority's address indicated in the Special Regulations of the Invitation to Tender and send a copy to the Project Owner. The Contracting Authority replies in writing to any request for clarification received at least fourteen (14) days prior to the deadline for the submission of bids.

A copy of the Contracting Authority's response, indicating the question posed but not mentioning the author, is addressed to all bidders who bought the Tender File.

9.2 Between the Publication of the tender notice including the pre-qualification phase of candidates and the opening of bids, any bidder who feels aggrieved in the Public Contracts award procedure may lodge a complaint to the Minister in charge of Public Contracts.

9.3 A copy of the complaint should be addressed to the Contracting Authority and to the body in charge of the Regulation of Public Contracts and the chairperson of the Tenders Board.

9.4 The Contracting Authority has five (5) days to react. A copy of the reaction shall be forwarded to MINMAP and the body in charge of the regulation of Public Contracts.

#### **Article 10: Amendment of the Tender File**

10.1 The Contracting Authority may at any moment, prior to the deadline for the submission of bids and for any reason, be it at his initiative or in reply to a request for clarification formulated by a bidder, amend the Tender File by publishing an addendum.

10.2 Any published addendum shall be an integral part of the Tender File, in accordance with article 8.1 of the General Regulations of the Invitation to Tender and must be communicated in writing or made known by a traceable means to all bidders who bought the Tender File.

10.3 In order to give bidders sufficient time to take account of the addendum in the preparation of their bids, the Contracting Authority may postpone as is necessary, the deadline for the submission of bids, in accordance with provisions of article 22 of the General Regulations of the Invitation to Tender.

### **C Preparation of bids**



1. The signed and dated original bid prepared according to the attached model, stamped at the prevailing rate;
2. The duly filled Unit Price schedule;
3. The duly filled detailed estimates;
4. The sub-details of prices and/or breakdown of all-in prices;
5. The projected schedule of payments, where need be.

In this regard, the bidders will use the documents and models provided in the Tender File, subject to the provisions of article 17(2) of the General Regulations of the Invitation to Tender concerning the other possible forms of guarantees.

- 13.2 If in accordance with the provisions of the Special Regulations of the Invitation to Tender, the bidders present bids for several lots of the same Invitation to Tender, they could indicate rebates offered in case of award of more than one lot.

#### **Article 14: Bid price**

- 14.1 Except otherwise stated in the Tender File, the amount of the Contract shall cover all the works described in article 1.1 of the General Regulations of the Invitation to Tender, on the basis of the price schedule and the detailed bill of quantities and estimates presented by the bidder.
- 14.2 The bidder shall fill the unit prices and totals of all items on the schedule and bill of quantities and estimates.
- 14.3 Subject to contrary provisions provided for in the Special Regulations and in the Special Administrative Conditions, all dues, taxes and fees payable by the bidder on grounds of the Contract or on any other ground, thirty (30) days prior to the submission of the bids, shall be included in the prices and in the total amount of the bid presented by the bidder.
- 14.4 If a price revision/updating clause is provided for in the Contract, the date of establishment of the initial price, as well as the price revision/updating conditions for the said price must be specified. This is with the understanding that any Contract of duration less than one (1) year shall not be subject to price revision.
- 14.5 All unit prices must be justified by sub-details established in accordance with the structure proposed in document 8 of the Tender File.

#### **Article 15: Currency of bid and payment**

- 15.1 In case of international invitations to tender, the currencies of the bid shall follow the provisions of either Option A or Option B below, the applicable option being that retained in the Special Regulations of the Invitation to Tender.

##### **15.2 Option A:** The amount of the bid shall be entirely made in the national currency.

The amount of the bid, unit prices of the price schedule and the prices of the bill of quantities and estimates are completely made in CFA francs in the following manner:

- a) Prices shall be entirely drawn in the national currency. The bidder who intends to commit expenditures in other currencies for the execution of the works shall indicate in the annex to the bid the percentage(s) of the amount of the bid necessary to cover the needs in foreign currencies, without exceeding the maximum of the three currencies of member countries of the funding institution of the Contract.
- b) The exchange rates used by the bidder to convert his bid into the national currency shall be specified by the bidder in an annex to the bid in compliance with the specifications of the Special Regulations. These rates shall be applied for any payment within the framework of the Contract so that the retained bidder does not bear any change in the exchange rate.

##### **15.3 Option B:** The amount of the bid shall be directly made in the national and foreign currency at the rates fixed in the Special Regulations.

The bidder shall draw the unit prices of the price schedule and the prices of the bill of quantities and estimates in the following manner:



- 17.6 The bid bond may be seized:
- (a) if the bidder withdraws his bid during the period of validity;
  - (b) if the retained bidder:
    - i) fails in his obligation to register the Contract in application of article 38 of the General Regulations;
    - ii) fails in his obligation to furnish the required final bond in application of article 38 of the General Regulations;
    - iii) refuses to receive notification of the Administrative Order to commence execution.

#### **Article 18: Varying proposals of bidders**

18.1 Where the works can be executed within variable deadlines, the Special Regulations shall specify these deadlines and shall indicate the method retained for the evaluation of the completion deadline proposed by the bidder within the specified deadlines. Bids that propose deadlines beyond those specified shall be considered as not being in conformity.

18.2 Except in the case mentioned in article 18(3) below, bidders wishing to offer technical variants must first assess the basic solution of the Contracting Authority as described in the Tender File and furnish in addition all the information which the Contracting Authority needs for a complete evaluation of the proposed variant, including the plans, calculations, technical specifications, sub-details of prices and proposed construction methods and all other useful information. If necessary, the Contracting Authority will examine only the technical variants of the bidder whose bid is in compliance with the basic solution has been evaluated as the lowest bid.

18.3 When according to the Special Regulations the bidders are authorised to directly submit the technical variants for certain parts of the works, these parts of the works must be described in the technical specifications. Such variants shall be evaluated on their own merit in accordance with the provisions of article 31(2) (g) of the General Regulations.

#### **Article 19: Preparatory meeting to the establishment of bids**

19.1 Except otherwise stipulated in the Special Regulations, a bidder may be invited to take part in a preparatory meeting which will hold at the date and place indicated in the Special Regulations.

19.2 The subject of the preparatory meeting shall be to furnish clarifications and answer any questions which may be raised at this stage.

19.3 As much as possible, the bidder is requested to submit any question in a way as to reach the Contracting Authority at least one week before the meeting. The Contracting Authority may not reply to questions received too late. In this case, the questions and answers shall be transmitted according to the methods set in article 19(4) below.

19.4 The minutes of the meeting, including the text of the questions asked and the replies given, including questions prepared after the meeting, shall be forwarded immediately to everyone who bought the Tender File. Any modification of documents of the Tender File listed in article 8 of the General Regulations which may prove to be necessary at the end of the preparatory meeting shall be done by the Contracting Authority by publishing an addendum in accordance with the provisions of article 10 of the General Regulations and not through the minutes of the preparatory meeting.

19.5 The fact that a bidder does not attend a preparatory meeting for the establishment of bids shall not be a reason for disqualification.

#### **Article 20: Form and signature of bid**

20.1 The bidder shall prepare an original of the constituent documents described in article 13 of the General Regulations in a volume clearly indicated "**ORIGINAL**". In addition, the bidder shall submit the number required in the General Regulations, bearing "**COPY**". In case of discrepancy, the original shall be considered as authentic.

20.2 The original and copies of the bid must be typed or written in indelible ink (photocopies shall be accepted in the case of copies) and shall be signed by the person(s) duly empowered to sign on behalf of the bidder, in accordance with article 6(1a) or 6(2c) of the General Regulations, as the



- 24.4 No bid may be withdrawn during the interval between the submission of bids and the expiry of the validity of bids specified by the model tender. The withdrawal of a bid by a bidder during this interval may lead to the confiscation of the bid bond in accordance with the provisions of article 17(6) of the General Regulations.

### E. Opening of envelopes and evaluation of bids

#### Article 25: Opening of envelopes and petitions

- 25.1 The BALI Council Tenders Board shall opened the envelopes in single or double phases and in the presence of the representatives of bidders who wish to attend at the date, time and address specified in the Special Regulations. Representatives of bidders shall sign a register attesting to their presence.

- 25.2 Firstly, envelopes marked "**withdrawal**" shall be opened and the contents announced to the hearing of everyone, while the envelope containing the corresponding bid shall be returned to the bidder unopened. Withdrawal shall be allowed only if the corresponding notification contains a valid empowerment of the signatory to request this withdrawal and if this notification is read to the hearing of everyone. Then the envelopes marked "**Replacement bid**" are opened and announced to the hearing of everyone and the new corresponding bid substituted for the preceding one which will be sent to the bidder concerned unopened. The replacement of the bid shall only be allowed if the corresponding notification contains a valid empowerment of the signatory requesting the replacement and read to the hearing of everyone. Lastly, the envelopes marked "**modification**" shall be opened and their contents read to the hearing of everyone with the corresponding bid. The modification of the bid shall only be allowed if the corresponding notification contains a valid empowerment of the signatory requesting the modification and read to the hearing of everyone. Only bids which were opened and announced to the hearing of everyone during the opening of bids shall then be evaluated.

- 25.3 All envelopes shall be opened successively and the name of the bidder announced aloud as well as the possible modification mentioned, the price offered, including any rebates [*in case of opening of financial bids*] and any variant, where necessary, the existence of a guarantee of the bid if it is required and any other details which the Contracting Authority deems useful to be mentioned. Only rebates and variants of bids announced to the hearing of everyone during the opening of bids shall be submitted for evaluation.

- 25.4 Bids (and modifications received in accordance with the provisions of article 24 of the General Regulations) which were not opened and read to the hearing of everyone during the bid- opening session for whatever reason, shall not be submitted for evaluation.

- 25.5 Bid- opening minutes are recorded on the spot mentioning the admissibility of bids, their administrative regularity, prices, rebates and time-limits as well as the composition of the Evaluation sub-committee. A copy of the said minutes to which is attached the attendance sheet is handed over to all the participants at the end of the session.

- 25.6 At the end of each bid- opening session, the chairperson of the Tenders Board immediately hands over to the focal point designated by the body in charge of regulation of Public Contract an initialled copy of the bids presented by bidders.

- 25.7 In case of petition as provided for by the Public Contracts Code, it should be addressed to the Minister Delegate in charge of Public Contracts with a copies to the body in charge of the regulation of Public Contracts, the head of structure to which is attached the Tenders Board concerned.

It must reach within a maximum deadline of three (3) working days after the opening of bids in the form of a letter to which is obligatorily attached a sheet of the petition form duly signed by the petitioner and possibly by the chairperson of the Tenders Board.

The Independent Observer attaches to his report the sheet that was handed to him, including any related commentaries or observations.



30.1 The Evaluation sub-committee shall verify bids considered essentially in compliance with the Tender File to correct the possible calculation errors. The Evaluation sub-committee shall correct the errors in the following manner:

- (a) where there is an incoherence between the unit price and the total obtained by multiplying the unit price by the quantity, the unit price being authentic, the total price shall be corrected, unless the Evaluation sub-committee judges that it is a gross error of decimal point in the unit price in which case the total price as presented shall be authentic and the unit price corrected.
- (b) if the total obtained by addition or subtraction of the totals is not exact, the sub totals shall be considered authentic and the total corrected.
- (c) where there is a difference between the price indicated in letters and in figures, the amount in letters shall be considered authentic, unless the amount is linked to an arithmetical error confirmed by the sub-detail of the said price, in which case the amount in figures shall prevail subject to paragraphs (a) and (b) above.

30.2 The amount featuring in the bid shall be corrected by the Evaluation sub-committee, in accordance with the error correction procedure above and with confirmation by the bidder, the said amount shall be deemed to commit him.

30.3 If the bidder who presented the bid evaluated as the lowest refuses the correction thus carried out, his bid shall be rejected and the bid bond may be seized.

#### **Article 31: Conversion into a single currency**

31.1 To facilitate the evaluation and comparison of bids, the Evaluation sub-committee shall convert the prices of bids expressed in various currencies into those in which the bid is payable in CFA francs.

31.2 The conversion shall be done using the selling rate fixed by the Bank of Central African States (BEAC) under the conditions defined by the Special Regulations.

#### **Article 32: Evaluation and comparison of financial bids**

32.1 Only bids considered as being in compliance, as per the provisions of article 28 of the General Regulations, shall be evaluated and compared by the Evaluation sub-committee.

32.2 By evaluating the bids, the Evaluation Sub-committee shall determine for each bid the evaluated amount of the bid by rectifying the amount as follows:

- a) By correcting any possible error in accordance with the provisions of article 30.2 of the General Regulations;
- b) By excluding projected sums and where necessary provisions for unforeseen occurrences featuring in the bill of quantities and estimates but by adding the amount of works done under State supervision where they are costed in a competitive manner as specified in the Special Regulations.
- c) By converting into a single currency the amount resulting from the rectifications (a) and (b) above, in accordance with the provisions of article 31(2) of the General Regulations;
- d) By appropriately adjusting any other modification, divergence or quantifiable reservation on technical or financial basis.
- e) By taking into consideration the various execution time-limits proposed by the bidders, if they are authorised by the Special Regulations;
- f) If need be, in accordance with the provisions of article 13(2) of the General Regulations and the Special Regulations by applying the rebates offered by the bidder for the award of more than one lot, if this Invitation to Tender is launched simultaneously for several lots.
- g) If need be, in accordance with the provisions of article 18(3) of the Special Regulations and the Technical Specifications, the proposed technical variants, if they are permitted, shall be evaluated on their own merit and independently of the fact that the bidder offered or not a price for the technical solution specified by the Contracting Authority in the Special Regulations.

32.3 The estimated effect of price revision formulae featuring in the GAC and SAC applied during the period of execution of the Contract shall not be considered during the evaluation of bids.



38.2 The Contracting Authority has a deadline of seven (7) days to sign the Contract from the date of reception of the draft Contract examined by the competent Tenders Board and subscribed by the successful bidder and where applicable, the endorsement of the Minister in charge of Public Contracts.

38.3 The Contract must be notified to the successful bidder within five (5) days of its date of signature.

#### **Article 39: Final Bond**

39.1 Within twenty (20) days of the notification by the Contracting Authority, the Contractor shall furnish the Project Owner with a final bond, to guarantee the complete execution of the works.

39.2 The bond whose rate varies between 2 and 5 percent of the amount of the Contract inclusive of all taxes, may be replaced by a guarantee from a banking establishment approved according to the instruments in force with the Project Owner as beneficiary or by a joint or several guarantee.

39.3 Small and medium-sized enterprises (SME) constituted of national capital and managed by nationals may, in lieu of the guarantee, provide a statutory lien or a bond issued by a banking establishment or first rate financial institution approved in accordance with the instruments in force.

39.4 Failure to produce the final bond within the prescribed time limit shall likely cause the termination of the Contract under the terms laid down in the General Administrative Conditions.

2. A bid with the external envelope carrying a sign or mark leading to the identification of the bidder;

#### **D. Essential criteria**

- 1- General presentation of the Tender Files;
- 2- Financial capacity;
- 3- References of the company in similar achievements visa by the competent administrative authority;
- 4- Quality of the personnel;
- 5- Technical organization of the works;
- 6- Safety measures on the site;
- 7- Logistics;
- 8- Attestation of sites visit duly signed on honour by the bidder and report of site visit with site pictures;
- 9- Special Technical Clauses initialed in all the pages and signed at the last page;
- 10- Special Administrative Clauses completed and initialed in all the pages and signed at the last page.

The criteria relating to the qualification of candidates could be indicative on the following:  
The essential criteria are subjected to minima whose detail is given in the Special Tender Regulation (RPAO).

This evaluation will be done in a purely positive way (yes) or negative (no) with an acceptable minimum from at least 33/44(75%) of the essential criteria taken in account.

The Contract will be awarded to the bidder who would have proposed the offer with the lowest amount, in conformity with the regulations of the Tender Documents and having satisfied to **100%** of the eliminatory criteria and at least **33/44(75%)** of the essential criteria.

#### **ARTICLE 6: Language of the bids:**

The offer like any correspondence and all documents concerning the tender, exchanged between the renderer and the Project Owner will be written in French or English. The complementary documents and the printed papers form provided by the Bidder can be written in another language in condition of being accompanied by a precise translation in French or English; in which case and for purposes of interpretation of the offer, the translation will be taken.

#### **PRESENTATION OF THE TENDER.**

The bids prepared in English or French and in seven (07) copies with one (01) original and six (06) copies marked thus, shall be presented in three (03) volumes as follows:

- A) **Administrative Documents**
- B) **Technical Documents**
- C) **Financial Documents**

##### **5.1 External envelope.**

Each bidder shall seal these three (03) envelopes (A, B and C) in one common envelope on which shall be written.

**<< OPEN NATIONAL INVITATION TO TENDER N°002/ONIT/BC/BCITB/2025  
OF 14/04/2025 FOR THE CONSTRUCTION OF A BOREHOLE AT YOUTH CENTRE IN GWAN PHASE I  
BALI SUBDIVISION, MEZAM DIVISION OF THE NORTH WEST REGION**

***"TO BE OPENED ONLY DURING THE BID-OPENING SESSION"***

N.B: The external envelope should not carry any mark or sign that can lead to the identification of the bidder.

##### **8.2 Internal envelopes**

Three (03) internal envelopes must be sealed in an external envelope.



	works executed. Minimum acceptable: 02 Contracts realized in the domain of equipped bore hole over the past 05 years		
B.3	<b>QUALIFICATION AND EXPERIENCE OF SUPERVISORY STAFF</b>		
B.3.1	01 Project engineer (at least Bsc in Engineering or equivalent certificate)		
B.3.1.1	Qualification of the project engineer: (Engineer in Rural Engineering/Hydrogeology/Hydraulics/Exploration Geophysics: at least BAC + 3		
B.3.1.2	Professional experience of the project engineer $\geq$ 05 years (signed CV)		
B.3.2	01 Site foreman(Higher technician or equivalent certificate)		
B.3.2.1	Qualification of the Site foreman: (Higher technician Rural Engineering/Hydrogeology/Hydraulics/Exploration Geophysics)		
B.3.2.2	Professional experience of the Site foreman $\geq$ 03 years (signed CV)		
B.3.3	01 plumber		
B.3.3.1	Qualification of 01 plumber (BAC in Plumbing)		
B.3.3.2	Professional experience of the plumbers $\geq$ 03 years (signed CV)		
B.4	<b>TECHNICAL PROPOSALS</b>		
B.4.1	Organigram of the enterprise		
B.4.2	Organigram of the project		
B.4.3	Logical sequence for the execution of the task		
B.4.4	Quality control method		
B.4.5	Organization of the works / Methodology		
B.4.6	Environmental protection measures		
B.4.7	Supply of materials		
B.4.8	Security and safety at the site		
B.4.9	Duration of execution in respect with the Tender file		
B.5	<b>LOGISTICS (Equipment put aside for this project)</b>		
B.5.1	Prove of ownership or rental of a boring machine		
B.5.4	Prove of ownership or rental of a Hand compactor		
B.5.6	Masonry Kit : Wheelbarrows, masonry clamps, masonry harmer 300g, shovel, dig axe, building level, masonry bucket , trowels, etc.		
B.6	<b>FINANCIAL CAPACITY</b>		
B.6.1	An attestation of financial capacity (solvency) of the enterprise equal or greater than the amount of the project all taxes inclusive, issued by a 1st class bank located in any area in Cameroon and approved by the Ministry of Finance and respect COBAC conditions.		
B.7	Attestation of site visit signed by an administrative local Authority of project area.		
B.8	Comprehensive report of site visit signed by the company administrator and justified by photos		
B.9	Special Technical Clauses initialed in all the pages		
B.10	Special Administrative Clauses completed and initialed in all the pages		

#### ENVELOPE C- FINANCIAL FILE

No.	DESIGNATION.
C1	A submission letter, signed, dated and stamped. (see ANNEX 3)



The tender, as all the parts accompanying it will have to be given in six (0 7) copies, including one (01) original and five (06) copies. The bidder will present his dossier inside a sealed outer jacket being marked:

<< OPEN NATIONAL INVITATION TO TENDER N°002/ONIT/BC/BCITB/2025  
OF ~~17~~ 04/2025 FOR THE CONSTRUCTION OF A BOREHOLE AT YOUTH CENTRE IN GWAN PHASE I BALI  
SUBDIVISION, MEZAM DIVISION OF THE NORTH WEST REGION>>  
TO BE OPENED ONLY DURING THE OPENING SESSION»

**ARTICLE 13: Date and latest time of deposit of offers**

The offers will have to arrive under closed fold and seal latest 22/05/2025 at 10: AM, by mail registered with acknowledgement of delivery or by deposit against receipt to the following address:  
**THE SERVICE OF THE CONTRACTING AUTHORITY, THE MAYOR OF BALI COUNCIL**

Beyond this time no offer will be received nor accepted.

**ARTICLE 14: Opening of the tenders**

The opening of the folds will be carried out in the Conference Hall of BALI Council Internal Tenders' Board on 29/05/2025 as from 11: AM, by the BALI Tender Board sitting in the presence of the duly elected bidders or their representatives and having a good knowledge of the file.

**AWARD OF THE CONTRACT**

**ARTICLE 15: Award of the Contract**

The Tenders Board will propose to the Contracting Authority to award the Contract to the bidder who will have presented the offer with the lowest offer, essentially conforming to the regulations the Tender File, having satisfied to **100% of all the eliminatory criteria and at least 20/25 (80%) of the essential criteria** taken into account.

The decision carrying attribution of the Contract will be published by way of press release or any other means of Publication of use in the Administration.

If the Contract passed on the basis of technical alternative suggested by the bidder, the Contracting Authority reserves the right to introduce all the provisions there allowing him to guarantee itself against the real overrun costs of the alternative compared to his estimate of origin. In the absence of these last precise details, any additional charge due to an alternative will be inadmissible.

To this end, it is specified that a bidder cannot claim to be compensated, if it is not taken action on his offer.

The Contracting Authority reserves the right not to take action on an Invitation to Tender, if it did not obtain a proposal which appears acceptable to him.

**ARTICLE 16: COMMENCEMENT OF WORK:**

Before the commencement of work the Contractor must be installed on the site by the following:

- ❖ The Authorizing Officer;
- ❖ The Contract Engineer;
- ❖ Project Manager;
- ❖ The Divisional Delegate of MINDDEVEL;
- ❖ The Divisional Delegate of MINEPAT;
- ❖ The Contractor or representative
- \* The Stores Accountant



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### **Article 4: Language, applicable law and regulation**

#### 1.1 The language to be used shall be *[English and/or French]*.

#### 1.2 The Contractor shall be bound to observe the law, regulations and ordinances in force in Cameroon both within his own organization and in the execution of the Contract.

If the laws and regulations in force at the date of signature of this Contract are amended after the signature of the Contract, the possible direct resulting costs shall be taken into account without gain or loss for either party.

### **Article 5: Constituent documents of the Contract (Article 4 of GAC)**

The constituent Contractual documents of this Contract are in order of priority: *(to be adapted to the nature of the works)*.

- 1) The tender or commitment letter;
- 2) The bidder's tender and its annexes in all provisions not contrary to the Special Administrative Conditions (GAC) and the Special Technical Conditions (STC) hereunder;
- 3) The Special Administrative Conditions (SAC);
- 4) The Special Technical Conditions (STC);
- 5) The particular elements necessary for the determination of the Contract price, such as, in order of priority: the unit price schedule, the statement of all-in prices, detailed estimates, the breakdown of all-in prices and the sub-details of unit prices;
- 6) Plans, calculation notes, trial documents, geotechnical documents *[insert and indicate, where need be, names and references]*.
- 7) The General Administrative Conditions applicable on Public works Contracts that went into effect by Order No. 033/CAB/PM of 13 February 2007;
- 8) The General Technical Condition(s) applicable on the services forming the subject of the Contract *[insert and indicate, where need be, names and references]*.

### **Article 6: General instruments in force**

This Contract shall be governed by the following general instruments *[to be adapted according to the case]*:

1. Framework Law No. 96/12 of 5<sup>th</sup> August 1996 on the management of the environment;
2. The Mining Code;
3. Instruments governing the various professional bodies;
4. Decree No. 2001/048 of 23<sup>rd</sup> February 2001 relating to the Setting up, Organization and Functioning of the Public Contracts Regulatory Agency
5. Decree No. 2003/651/PM of 16<sup>th</sup> April 2003 to lay down the Procedure for Implementing the Tax and Customs System applicable to Public Contracts;
6. Decree No. 2004/275 of 24<sup>th</sup> September 2004 to institute the Public Contracts Code;
7. Decree No. 2012/074 of 8<sup>th</sup> March 2012 relating to the Creation, Organisation and Functioning of Tenders Boards amended and supplemented by Decree No. 2013/271 of 5 August 2013;
8. Decree No. 2012/075 of 8<sup>th</sup> March 2012 to organise the Ministry in charge of Public Contracts;
9. Circular No. 001/CAB/PR of 19<sup>th</sup> June 2012 relating to the Award and Control of Execution of Public Contracts;
10. Letter No; 00908/MINTP/DR of 1997 to publish guidelines for the consideration of environmental impact of road maintenance;



Contract Manager upon the proposal of the Contract Engineer and notified to the Contractor by the Contract Engineer.

- 8.7 The Contractor has a time-limit of fifteen (15) days to issue reservations on any Administrative Order received. Having reservations shall not free the enterprise of executing the Administrative Orders received.

**Article 9: Contracts with conditional phases (Article 9 of GAC)**

9.1 [Specify if the Contract has one or several phases]

At the end of a phase, the Project Owner shall carry out the acceptance of the works and issue an attestation of proper execution to the Contractor. This attestation shall condition the start of the following conditional phase.

- 9.2 The time-limit granted for notification of the Administrative Order to start execution of a conditional phase shall be five (5) days.

**Article 10: Contractor's equipment and personnel (Article 15 of GAC supplemented)**

- 10.1 Any modification, even partial, made to the technical bid shall only occur after the written approval of the Contract Manager. In case of modification, the Contractor shall have himself replaced by a member of staff of equal competence (qualifications and experiences).

- 10.2 In any case, the lists of supervisory staff to be used shall be subject to the approval of the Project Owner in the days following notification of the Administrative Order to start execution. The Project Manager has **5 (five) days** to notify his opinion in writing with a copy sent to the Contract Manager. Beyond this time-limit, the staff list shall be considered as approved.

- 10.3 Any unilateral modification on the supervisory staff made in the technical bid prior to and during the works shall be a reason for termination of the Contract as mentioned in article 45 below or the application of penalties [to be specified where need be].

**Chapter II: Financial conditions**

**Article 11 Guarantees and bonds (Articles 29 and 41 of GAC)**

**11.1 Final bond**

The final bond shall be set at 2 % of the amount of the Contract, inclusive of all taxes.

It is constituted and transmitted to the Contract Manager within a maximum deadline of twenty (20) days of the notification of the Contract.

The bond shall be returned or the guarantee released within one month following the date of provisional acceptance of the works, following a release issued by the Contracting Authority upon request by the Contractor.

**11.2 Performance bond**

The retention fund shall be set at 10 % of the amount of the Contract, inclusive of all taxes.

The return or release of the retention fund or security shall be done within one month after final acceptance by release issued by the **Contracting Authority** upon request by the Contractor.

**11.3 Guarantee of start-off advance**

[Specify, if need be, the rates (20% maximum of the amount of the Contract inclusive of all taxes guaranteed at 100%) and conditions for the return of the guarantee]

**Article 12: Amount of the Contract (Articles 18 and 19 of GAC supplemented)**

The amount of this Contract as indicated by the attached [detail or estimates] is \_\_\_\_\_ (in figures) \_\_\_\_\_ (in letters) CFA francs Inclusive of All Taxes; that is:

- Amount exclusive of VAT: \_\_\_\_\_ (\_\_\_\_\_) CFA F
- Amount of VAT: \_\_\_\_\_ (\_\_\_\_\_) CFA F.
- Amount of TSR and/or \_\_\_\_\_ CFA F



reimbursed by deduction of the payments on accounts to be paid to the Contractor during the execution of the Contract according to the modalities laid down in the Special Administrative Conditions.

20.3 The total amount of the advance must be reimbursed not later than when the value in basic price of the works reaches eighty (80) percent of the amount of the Contract.

20.4 As the reimbursement advances, the Project Owner shall issue the release of the corresponding part of the guarantee upon the express request by the Contractor.

20.5 The possibility of granting start-off advance or advance for supplies must be expressly stipulated in the Tender File.

#### **Article 21: Payment for works (articles 26, 27 and 30 of the GAC supplemented)**

##### **21.1 Establishment of works executed**

Before the 30<sup>th</sup> of each month, the Contractor and the Project Manager shall jointly establish a job cost sheet which summarises and fixes the quantities executed and established for each item on the schedule during the month and capable of giving entitlement to payment.

##### **21.2 Monthly detailed account**

No later than the fifth (5<sup>th</sup>) of the month following the month of the services, the Contractor shall hand over to the Project Manager two draft provisional monthly detailed accounts in seven copies (one detailed account exclusive of VAT and the other inclusive of taxes), according to the agreed model and establishing the total amount of the sums to which he may lay claim as a result of the execution of the Contract since the start of the Contract.

Only the detailed account exclusive of VAT shall be paid to the Contractor. The detailed account of the amount of the taxes shall be the subject of an entry into the budgets of the Ministry in charge of Finance

Only the amount exclusive of VAT shall be paid to the Contractor as follows:

- [100-1.1 and/or - (7.5 or 15%)] paid directly into the account of the Contractor;
- 2.2 Or 5.5 % paid to the Public treasury as AIR due by the Contractor.
- 7.5% or 15% paid into the Public treasury as TSR due by the Contractor.

The Project Manager has a time-limit of seven (7) days to forward to the Contract Manager the detailed accounts he has approved.

The Contract Engineer has a maximum time-limit of twenty-one (21) days to forward the detailed accounts he approved such that they are in his possession not later than the twelfth of the month.

The Contract Manager has a deadline of fourteen (14) days maximum to sign the detailed accounts.

Payments shall be done by \_\_\_\_\_ within a maximum deadline of \_\_\_\_\_ calendar days from the date of submission of the approved detailed accounts.

##### **21.3 Detailed account of start-off account (if applicable).**

#### **Article 22: Interest on overdue payments (Article 31 of the GAC)**

Possible interests on overdue payments are paid by statement of sums due in accordance with article 88 of Decree No. 2004/275 of 24 September 2004 to institute the Public Contracts Code.

#### **Article 23: Penalties (Article 32 of the GAC supplemented)**

##### **A. Penalties for delay**

23.1 The amount set for penalties for delays shall be set as follows:

- a) One two thousandth (1/2000<sup>th</sup>) of the initial Contract amount all taxes inclusive per calendar day of delay from the first to the 30<sup>th</sup> day beyond the Contractual time-limit;
- b) One thousandth (1/1000<sup>th</sup>) of the initial amount of the Contract inclusive of all taxes per calendar day beyond the 30<sup>th</sup> day.



- Council dues and taxes;
- Dues and taxes relating to the extraction of building materials and water.

These elements must be included in the costs which the undertaking imputes on its running costs and constitute one of the elements of the sub-details of prices exclusive of taxes.

All taxes inclusive prices means VAT included.

**Article 28: Stamp duty and registration of Contracts (article 37 of GAC)**

Seven (7) original copies of the Contract shall be stamped by and at the cost of the Contractor, in accordance with the applicable regulations.

**Chapter III: Execution of works**

**Article 29: Nature of the works (article 46 of GAC)**

The works shall include especially: (position or volume of works)  
(To be specified cf. Special Technical Conditions)

**Article 30: Roles and responsibilities of the Project Owner (GAC supplemented)**

30.1 The Project Owner shall be bound to furnish the Contractor with information necessary for the execution of his mission and to guarantee, at the cost of the Contractor, access to sites of projects.

30.2 The Project Owner shall ensure the Contractor of protection against threats, insults, violence, assault and battery, slander or defamation of which he could be victim by reason of or during the exercise of his mission.

**Article 31: Execution time-limit of the Contract (article 38 of the GAC)**

31.1 The time-limit for the execution of the works forming the subject of this Contract shall be **ninety (90) days**.

31.2 This time-limit shall run from the date of notification of the Administrative Order to commence execution of the works [or that fixed in this Administrative Order- to be specified].

**Article 32: Roles and responsibilities of the Contractor (article 40 of the CAG)**

The detailed and general plan of progress of the works shall be communicated to the Project Manager in five (05) copies at the beginning of each.

**Article 33: Provision of documents and site (article 42 of the GAC)**

A reproducible copy of the plans featuring in the Tender File shall be submitted by the Contract Manager.

The Project Owner shall make available the site and access ways to the Contractor at the appropriate time as the works progress.

**Article 34: Insurance of structures and civil liabilities (article 45 of GAC)**

The following insurance policies are required within the scope of this Contract in the minimum amounts indicated hereafter within fifteen (15) days of the notification of the Contract (to be adapted):

- Liability insurance, business manager;
- Comprehensive insurance of the site;
- Insurance covering its ten-year obligation, where applicable.

**Article 35: Documents to be furnished by the Contractor (Article 49 of the GAC supplemented)**

[Specify the deadlines for the transmission of documents as well as those of approval by persons to be designated]

**35.1 Programme of works, Quality Assurance Plan and others (to be specified).**

a) Within a minimum deadline of [fifteen (15) days] from the date of notification of the Administrative Order to commence execution, the Contractor shall submit in [six (6)] copies for the approval of [Contract Manager after the endorsement of the Project Engineer] the execution programme of



The Project Manager shall notify within [five] days following the date of notification of the Administrative Order to commence work, the basic points and levels of the project.

**Article 38: Sub-Contracting (article 54 of the GAC)**

The part of the works to be sub-Contracted shall be [specify] % of the initial amount of the Contract and its additional clauses (the ceiling is 30 %).

**Article 39: Site laboratory and trials (article 55 of GAC)**

39.1 Indicate if necessary the modalities for carrying out the trials and geotechnical studies provided for in the Special Technical Conditions.

39.2 The Contract Manager has a deadline of three days to approve the Contractor's personnel and laboratory as soon as the request is made.

**Article 40: Site logbook (article 56 of the GAC supplemented)**

40.1 The Site logbook must be systematically jointly signed by the Project Manager or Engineer, where need be and the Contractor's representative each day.

40.2 It is a joint document in a single copy. Its pages must be numbered and initialled. No page should be removed. The erased or cancelled parts must be mentioned on the margin for validation.

**Article 41: Use of explosives (article 60 of the GAC)**

## **Chapter IV: Acceptance**

**Article 42: PROVISIONAL ACCEPTANCE**

**42.1 PRE- ACCEPTANCE OPERATIONS**

Before the acceptance of the works the Contractor shall ask in writing to the Contract Engineer, to organize a technical visit for pre-acceptance. This visit shall include the following operations.

- Qualitative and quantitative evaluations of the different works that have been executed.
- Findings and statement of the unexecuted task envisaged in the present jobbing order.
- Findings relative to the completion of the work
- Findings on the quantity of works that have been effectively realized

These operations shall be subject to a site report drawn up on the field, signed by the following.

-Contract Engineer,

-Contractor.

During this pre-reception, the Engineer shall eventually specify the reserves to be lifted and the corresponding works to be effected before the reception. The Engineer shall fix the reception date in collaboration with the chief of service for the Contract.

**42.2 Acceptance**

The acceptance commission shall comprise:

- 1- The Authorizing Officer ..... (Chairman)
- 2- The Control Engineer (DD MINEE)..... (Secretary)
- 3- The Project Manager .....(Member)
- 4- The DD MINMAP Mezam .....(Observer)
- 5- The Contractor or his Representative..... (Member)
- 6- Stores Accountant, BC.....(Member)
- 7- Quarter head.....(Member)

The commission shall examine the report of the pre-acceptance and shall proceed to the acceptance. An acceptance report (process - verbal) of the works shall be prepared by the Engineer and sign by all the commission members.

**Article 43: GUARANTEE PERIOD.**

The guarantee period is one (01) year from the date of the provisional acceptance.



**Document No. 5**  
**Special Technical Conditions (STC)**

## **INTRODUCTION.**

This specification aims to define the mode of execution of work to be done following the norms and approved standards, according to the documents of the Jobbing Order.

The choice of technological options for achieving the proposed work has the sole concern to ensure a better functionality of facilities in compliance with safety rules for the protection of property and persons. It has been established as a guide to clarify and supplement the guidance of the estimate and drawings notwithstanding the terms of the Jobbing Order.

The technical specifications presented herein below define the hydro-geological waterworks and electromechanical engineering works that shall be executed in Bali town, Mezam Division and the manner in which these works shall be carried out. So, the Contractor is expected to read these specifications critically and identify all the articles that are applicable to his job

## **CHAPTER I: GENERAL INFORMATION.**

### **Article 1: Subject**

The following Technical Specifications Journal (TSJ) concern the works to be carried out in the Mini Water Supply Scheme made up of the construction of a borehole equipped with a solar pumping System, a storage tank and a piping network); as well as the setting up of measures to sustain the equipped borehole.

In each case, the volume of work to be executed is indicated by the bill of quantities, network maps and/or plans provided for the project. The various works to be executed shall conform to the relevant terms of the technical specifications given herein below.

### **Article 2: Contractor's role.**

The Contractor who shall be chosen after this call for tender, shall be responsible to execute all the works outlined here. These include all the phases from site selection, through the drilling of the borehole, the borehole design, the cleaning and development of the borehole, the determination of the properties of the aquifer (Aquifer or Pumping test) and the superstructure construction, to the pump installation, water analyses and the taken of long-lasting measures to ensure the project sustainability.

It should be understood that the provision of a bill of quantities for any project does not absolve the potential Contractor of the necessity to affect a well-planned site visit, at his own expense, to gain complete knowledge of the conditions prevailing on the terrain. This knowledge shall come in handy when preparing the List of Tasks and the Unit Price Schedule. Potential Contractors (or Bidders) shall provide a detailed and sequenced List of Tasks to be effected on each component of the project. Within fifteen (15) days from the date of notification to start work, the Contractor shall provide the Supervising Engineer with:

- A detailed plan of the work, showing the scheduling of the various works to be executed in time
- Detailed technical drawing of the works to be realized
- A manpower deployment plan
- A schedule of the delivery of materials to the project site, showing possible delays
- Failure to forward the foregoing documents shall engender the postponement of the reception of project materials, which could result in a punishable overall delay in the execution of the project.

No material shall be used that has not been checked for conformity with the technical specifications by the Supervising Engineer.

The Supervising Engineer reserves the right to modify the plans and Work schedule provided by the Contractor, which modification shall first be submitted to the Delegated Contracting Authority for approval. Under exceptional circumstances, the Supervising Engineer may suggest modifications to the technical specifications for any component of a project to the Delegated Contracting Authority, while making sure that the overall cost of the project stays within the limits of the financial bid of the Contractor.

Any modification must be done in writing, with sufficient justification. For this purpose, a numbered page book (the project log book) shall be kept on site in which the Supervising Engineer shall write his



The superstructure shall be of the classic type : a pump stand on a slightly inclined margelle with a ditch at the edges that lead to a drainage system which ends up in a soak away pit at a distance of at least 8m away from the borehole.

The borehole shall be equipped with a solar pump of the type grundfos, Lorentz or any other mark fulfilling the prescribed characteristics. The bodywork of the pump and its accessories should be composed of materials that are resistant to corrosive water and cannot be oxidised.

## **CHAPTER II – DRILLING WORKS.**

### **Article 5 - Drilling of Borehole**

The borehole shall be drilled respecting the technical specifications outlined here and shall be accepted as productive (positive) if its yield is at least 0,7 m<sup>3</sup>/h (700l/h) and the water is potable after analyses.

#### **5.1. Organization of the work-site**

Considering the results obtained after previous drilling campaigns of boreholes in the area, an average depth of one hundred and ten (110) m is proposed for the borehole.

The success of this project largely depends on the perfect coordination of the different activities by the Contractor (the Supply and the installation of the manual pump, the drilling process respecting the appropriate drilling technics, the appropriate borehole design, cleaning and development of the borehole, the pumping test, the construction of the superstructure with a good drainage system, water analyses, project sustainability). This coordination requires the strict respect of the execution plan of the borehole which contains the outlined execution plans of the different activities.

The Enterprise shall place its Technical Director who shall be responsible to the Administration and on the worksite, the work execution shall be supervised by a Foreman who is well qualified and experienced in the domain of borehole drilling, manual pump installation and project sustainability. The execution plan should be conceived in such a way that the different phases will be done without unjustified stoppage.

The state of work progression shall be established monthly and if after two months, the progression rate is considered low, the Contractor shall be asked to deploy additional means to the worksite so as to accelerate work progression and meet up with the deadline.

During the work execution, the Administration has the right to modify the work.

#### **5.2. Working Hours.**

The general conditions fixed for workers by the Cameroon Legislation also applies to the Contractor's workers in the worksite. There shall be no work at night.

#### **5.3. Equipment and Materials for execution**

##### **5.3.1 General conception of equipments and materials**

The Contractor shall be responsible for the choice of the equipments and materials. The general conception of the drilling rig and the materials to be used for the execution of the borehole should take into consideration the local milieu : the state of roads and accessibility, as well as the rate of execution stated above.

##### **5.3.2. State of the equipments and materials**

The execution calendar obliges the Contractor to be in possession of a drilling rig in order to execute this project, immediately he is notified of having been chosen to execute the job.

The serial number, the age and the origin of the drill ought to be specified in the bid. Anyway, the proposed equipment should be in a good state.

##### **5.3.3. Description and specifications of the drilling rig.**

The drilling rig that is needed for this project will be composed of:

###### **The Drill**

A conventional rotary apparatus using compressed air and water or mud, and specially adapted to using the tool and bit in loose formations and the down-the-hole hammer in hardrocks. Drilling through the loose formations and to avoid frequent collapse of these formations especially when the hardrock is to be drilled, the use of temporal casing is very obligatory. This temporal casing can be of steel or PVC nature and facilitates drilling in both the loose and hardrock formations without any difficulty.

The drilling rig should have a capacity of attaining an average depth of 110meters with a borehole diameter of:

- 12¼" (175-195mm) for rotary drilling with compressed air using tools and bits with water or mud,



The annular space between the soil formation and the PVC colon shall be filled with a quartz gravel pack of a grain-size: (1 - 2mm) or (2-4mm) all along the length of the screen plus 3meters. The gravel shall be disinfected being introduced into the annular space of the borehole.

The grain size of the gravel shall be 1-3mm. The gravel shall be composed of clean quartzeous and smooth material.

On top of the gravel pack filter, a clayey seal of 1meter thick shall be put in place, it has as goal to prevent the pollution of the borehole by superficial waters.

Above the clayey seal, the borehole shall be filled with alluvium or elluvium, in which case this substance shall constitute material for effective back-fill, and finally the top of the borehole shall be filled with concrete for a depth of 2meters.

The casing shall overlap the earth surface by 0,50m. This casing shall be momentarily locked with a screwed cork.

## **5.6. Development**

Development is done by air-lift with double tube using the drilling rig or an independent unit.

The yield obtained after the development should not be more than 10 % less than the yield obtained at the end of drilling.

Development shall continue until clean water with no residual sand grains nor clay particles is observed. The Contractor should control the yield in sand grains of the water, by applying the Method of observing sand deposit in a 10litres bucket of water and of which the diameter should not be greater than 1cm at the end of development.

The average time for development shall be 4 hours.

If technical errors occur during the drilling process or during development, the additional time beyond the 4hours, shall be under the responsibility of the Contractor and, if clean water is not obtained after development, the borehole will not be received.

In case an independent unit was used for development, the return of the drilling rig for the partial or complete repeat of the drilling process, shall be under the charge of the Contractor.

The yield shall be measured after every 15 minutes. The water level and the depth of the borehole shall be measured before and after the development.

The accepted tolerance for the measurements (including those obtained during pumping test) shall be :

- 10% for the yields,
- 1cm for the water level,
- 5cm for the measurements of depth.

## **5.7. Pumping [Aquifer] Tests-Superstructures-Disinfection of the Borehole and Water Analyses.**

### **5.7.1 Pumping [Aquifer]Test.**

These tests shall be executed using an immersed pump, of a minimal capacity of 10 m<sup>3</sup>/h at a depth of 30m or 6 m<sup>3</sup>/h at 80meters. The pumping test (type CIEH) shall be done for a time lapse of 4 hours (3 phases of an increasing yield). The processes shall comprise : Restoration, Pumping and Recharge. The recharge after pumping shall be done for an hour. The mesurements of the water levels shall be effectuated using an electric sounder, while the measurements of the yield shall be done using 200litres drums. All the measurements shall be recorded in forms recommended by the Ministry incharge of Water.

### **5.7.2 Superstructures**

The Contractor shall have to construct the following superstructures:

- A reinforced concrete corping of dimensions 1,5m x 1,5m and of height (20cm) which is compatible with the manual pump, and situated above the reinforced concrete slab,
- A reinforced concrete slab of minimum size 3m x 3m surrounding the reinforced concrete corping, raised above the soil surface of minimum height 15cm and and slightly inclined with a gentle slope of about 2% towards the evacuation outlet.
- A ditch surrounding the slightly inclined reinforced concrete slab to drain water from the latter to the outlet, through the buried PVC pipes of minimum length 8m, into the soakaway pit. The soakaway pit shall have a dimension of 1m x 1m x 1m and filled with stones ; and shall be covered by a concrete slab of thickness 10cm.
- A protective layer against erosion of width 1meter all round the half wall and composed of lateritic gravel of thickness 10cm, shall be put all round the half wall.

A model plan shall be available. The superstructures would, however, be constructed on the basis of detailed plans that are convenient for the type of manual pump which shall be



- In short, all the technical details, incidents, breakdowns, difficulties specific to the evolution of the project, indicating the time these occurred.

The book shall be signed by the Representatives of the Administration and that of the Contractor, and shall serve as the basis for the establishment of vouchers.

Remarks and reserves made by the Contractor and/or the Administration shall be recorded in this book.

### **5.8.2 Control and supervision**

The control and supervision of works shall be carried out by the Representative of the Administration and shall be based on the following items:

- Definition of the work plan and its execution calendar in agreement with the Contractor.
- Site implantation.
- Indicative forecasts on the geology and on the depth to be attained by the borehole.
- Decisions on whether to continue or stop drilling, its design or its abandonment.
- Elaboration of the borehole design in collaboration with the Chief driller, taking into consideration the yield.
- Supervision and interpretation of the Development and Pumping test results.
- Choice of the configuration of the superstructures depending on the landscape (topography).
- Supervision of the pump installation and the training of local pump caretakers.
- Supervision of the analyses related to water quality.
- Control the effectiveness of the activities concerning the training and sensitization of the Water Management Committee.

## **5.9. Origin and quality of materials**

### **5.9.1 General dispositions.**

The Contractor shall present to the Delegation incharge of Water Resources for approval the materials he intends using, indicating their nature and their origin. All the materials found faulty shall be evacuated by the Contractor at his own expenses. The Contractor shall be responsible for the regular supply of materials for the smooth running of the project.

Notwithstanding the approval of the quality and origin of the materials by the Delegation incharge of Water Resources, the Contractor remains solely responsible for the quality of the materials used for the project. It is left for him to carry out at his own expenses all the necessary tests and analyses to be sure of the materials used.

It is left for him to make all the necessary moves to obtain autorisations or permissions, and carry out payments if necessary to enable him exploit quarries or other substances, and the site for the installation of the project.

### **5.9.2 Characteristics of the casing and screen.**

The casing and screen shall be of strong PVC (types for boreholes). The diameters shall be 110/125 mm. The origin and quality of these tubes ought to be approved before being used.

These tubes should be smooth, with solid round or square centralized fittings that can enable the tubes attain a depth of 100meters.

The tubes should have the garanti of being resistant to all the stress manipulations during their installation and during pumping. The PVC shall be composed of matter that cannot dissolve in water and modify its quality.

The slot openings of the screen shall be done mechanically in the manufacturer's factory. The slot openings shall have a diameter of less than 1mm. The percentage of openings shall not be less than 2% of the total surface area of the PVC tube.

### **5.9.3 Cement**

The cement to be used shall of the type PORTLAND artificiel CPA 325. It should be obtained in bags of 50kg. Any bag with hardened fragments shall be rejected. The recuperation of cement dust that has fallen on the ground shall be prohibited.



- the supply of seals.

The fittings that shall be used should have closing plates which should be put in place while waiting for the pump to be installed. All fittings shall be approved by the Supervising Engineer before use. The performance guarantee of work shall cover all defects in fittings, their handling and workmanship.

#### **8.5 Maintenance**

The Supplier shall fill a table describing the nature of the day-to-day maintenance operations with as information for each case:

- the periodic interval
- the parts concerned
- the costs of the parts in the locality
- the required set of tools

#### **8.6 Repair works**

The Supplier shall specify the breakdowns that shall require the withdrawal of the pump from the borehole as well as the different unit weights, notably:

- the whole fountain,
- the linear meter of the aspiration pipe (with the rod) with and without water,
- the pump cylinder.

For more frequent interventions, he shall specify the nature of intervention and its frequency.

#### **8.7 Accessories**

The Contractor should show the pump caretaker the key or keys required to help mount, dismount and replace parts that have broken down.

#### **8.8 Spare parts**

The spare parts ought to be, as from the beginning of the project, be available in the different sales points. A kit of spare parts shall be made available and handed to the Village Water Management Committee.

#### **8.9 Technical and pedagogic brochures**

The Contractor ought to make available technical and pedagogic brochures on the mounting, the good functioning, the maintenance and the repairs of the pump.

These brochures shall simultaneously contain three levels of information.

a) A level that exclusively illustrates the following themes:

- How to pump correctly (illustrations with photos or drawings).
- How to detect an abnormality in the functioning of the pump.
- How to carry out minor repair works.

b) A level that gives complete informations on the assembling of the pump for use and for maintenance. All the possible types of breakdowns that can occur should be mentioned as well as the means to remedy the situation.

c) A complete documentary level about all the aspects of the pump: manufacture, constituent parts, materials used, assembling, current maintenance, important repair works, list of the spare parts and their approximate lifespan, etc.

These brochures shall be delivered with the pump, a copy shall be kept with the Supplier's representative. Besides, the Contractor should prepare a maintenance form for the pump (as well as extra copies), which shall be kept in the village, and in which all repairs and maintenance works shall be recorded.

#### **8.10 Putting in place of the maintenance system**

The Contractor shall take care of the training of two (02) to three (03) pump repairers to carry out minor maintenance and repair works on the installed pump. The training of these pump repairers shall be a condition for the provisional reception of the borehole.

### **Article 9: Transport, Delivery and installation of pump**

The Contractor shall equally take care of the transportation and installation of the pump on the site.

### **Article 10: Provisional Reception**

The materials to be used ought to undergo a qualitative provisional reception, which shall be based on the administrative and technical documents justifying the quality of the materials used are in conformity with the technical objectives.

This reception shall be later followed by a technical reception which shall take place in the worksite after the installation of the pump and after observing it functioning.



- i) Mass concrete for foundations works; it shall be a mixture of 250kg of cement per m<sup>3</sup> of sand and of appropriate thickness.
- ii) Re-enforced concrete for floor and roof slabs and slab covers for storage tanks, valve chambers and interruption chambers; it shall be a mixture of 350kg of cement per m<sup>3</sup> of sand and shall be of appropriate thickness.
- iii) Mass concrete for catchment's works; it shall be a mixture of 400kg of cement per m<sup>3</sup> of sand.

## **CHAPTER VI: METHOD OF EXECUTION**

### **Article 18: General Information**

#### **18.1 Security at the Work Site**

The Contractor shall place at the entrance to work site signboards in bold letters indicating that work is underway and prohibiting the public and unauthorized persons from entering the work site. He shall be responsible for any accident that may occur on the work site or may be suffered by a third party, his staff and employees or officials of the Administration as a result of their presence on the work site. Organization of work and security on the work site shall therefore be the sole responsibility of the Contractor. Furthermore, the Contractor shall be bound by the labour legislation in Cameroon vis-a vis his workers and the Administration. Moreover, his insurance policy shall cover any damages he could cause to any one during the execution of the job.

#### **18.2 Traffic**

The Contractor shall be responsible for ensuring that traffic is not obstructed on the entire stretch of his work site throughout the period of work, right up till provisional reception. No obstruction of traffic shall be allowed for more than two hours. Maintenance of traffic flow shall be the responsibility of the Contractor. In case of any breach of contract in this matter, the Supervising Engineer may bring in a third party to correct any shortcomings that may be impeding the traffic flow, and related expenses shall be borne by the Contractor.

Where interference of the traffic flow for a given period is inevitable, the Supervising Engineer shall be informed of the situation at least 7 days in advance, so that he can seek the opinion of local Administrative authorities and get everything arranged beforehand.

In case a deviation has to be used, the contractor shall submit to the Supervising Engineer for approval after TENDER with local administrative authorities, the deviation route and his plan for maintaining the deviation throughout the duration of the works that have necessitated the deviation.

### **Article 19: Stone Masonry**

Stone masonry shall be aesthetical and in accordance with structure type and civil engineering rules. Binding mortar shall be a mixture of 400kg of cement per m<sup>3</sup> of sand, no grain of which shall have a dimension exceeding 4mm.

Mortar containing a mixture of 450kg of cement per m<sup>3</sup> of sand shall be used for the finishing of the external joints of non-visible walls of stone masonry

Mortar consisting of a mixture of 500kg of cement per m<sup>3</sup> of sand, to which shall be added a quantity of SIKKA N° 1 recommended by the manufacturer and approved by the Supervising Engineer, shall be used for waterproofing the interior surfaces of water-retaining structures (storage tanks, interruption chambers, sedimentation basin, filters, etc).

### **Article 20: Pointing and Plastering**

#### **20.1 Pointing**

The joints of all external walls of stone masonry that are visible shall be carefully pointed to give them an aesthetic look. Mortar containing 600kg of cement per m<sup>3</sup> of sand shall be used for pointing with a cement paste (1:0) finish

#### **20.2 Plastering**

Plastering of surfaces in contact with water shall comprise pointing of the mortar joints followed by a 1cm thick layer of spatter dash 1:2 (m625). This shall then be followed by the application of a rendering coat of 2cm thick 1:4 (m300) mixtures and a setting coat 2cm thick 1:2 (m625). The walls shall then be finished



899-1300	30	6	7
1300-3200	40	8	9

The Supervising Engineer shall carry out thickness verification in accordance with table II above

**iv) Socket length**

The socket length shall be verified according to agreed norms. The value obtained should have the theoretical value of the diameter of the tube plus 1.3mm. The tolerance shall be 0.6mm.

**v) Shrinkage cracks**

Shrinkage cracks tests should be carried out according to agreed methods by the Supervising Engineer on a 15-30cm long sample. No shrinkage cracks should occur if the pipe is at 90° to its horizontal axis. If this occurs for 15 samples representing a lot of 100 pipes, the lot shall be rejected.

**vi) Internal Pressure**

Pipe samples shall be subjected to 1.5 times the service pressure for duration of one hour. If one out of every five samples ruptures, another set of five shall be selected for retest. If the second set respects the specified relation with the service pressure, the set shall be considered satisfactory. Otherwise, either necessary adjustments shall be carried out to meet the required specifications, or the lot shall be rejected.

**vii) Impact**

This test shall be carried out on three samples, one from each extremity and the third, from the center, all three, one meter long. Perpendicular masses shall be dropped from a height of one meter onto the samples as shown in table III.

**Table III: Impact Test Schedule**

Pipe diameter	Mass (kg)
25	1
32	1
40	1
50	3.5
63	5
75	7.5
90	7.5

The pipes shall be accepted if, and only if, the percentage of broken pipes in the tested samples does not exceed 40%

**viii) Labels**

The Contractor shall ensure that all pipes for this project are labeled <H>. The Supervising Engineer shall reject any pipe not labeled as such

The Contractor shall furnish the Supervising Engineer with information (name, address, phone, etc) on the factory being used to procure pipes for any project.

The Contractor shall present to the Supervising Engineer a guarantee certificate from the factory of origin ascertaining that the pipes meet the required standards as described in the forgoing sections. The Contractor shall arrange for free access to the factory for the Supervising Engineer to enable him request, as required, for all factory tests described in the aforementioned sections to be carried out by the manufacturer.

The performance guarantee of works shall cover all defects in pipes, their handling and workmanship.

**Fittings Specifications**

The fittings required for these works, are presented in Table IV below. Contractors are required to strictly respect these specifications.

All fittings shall be approved by the Supervising Engineer before use. All fittings not conforming to those specified in Table IV shall be rejected. The performance guarantee of work shall cover all defects in fittings, their handling and workmanship.

**TABLE IV: SPECIFICATIONS FOR FITTINGS**



### 22.3 Method of Determining Quantity of G.I and PVC Piping Laid

The quantity of PVC and G.I piping laid shall be measured per linear meter of laid pipe. Measurements shall be made for each class of pipe and each diameter of pipe separately.

### 22.4 Pipeline Indicators

Concrete indicators shall be implanted along the pipeline at an interval of 50m so as to locate the passage of the one meter (1m) buried pipes.

## CHAPTER VII: CONSTRUCTION METHODS

### Article 23: Setting out of Works

The Contractor shall be responsible for the setting out of all pertinent lines, works, grades, reference points and levels that may be required for the proper and accurate positioning of all the structures on the work site. The works so set out shall be received by the Supervising Engineer before construction work actually begins

### Article 24: Excavation of Trenches

Pipe trenches shall be excavated to a depth of at least 60cm and at most 100cm and width of 40cm. The bottom of each trench shall be free of any stones or other materials which could damage the pipes.

### Article 25: Backfill

The Contractor shall be responsible for all backfill operations. However, such operations shall only be carried out after the dimensions of the trenches have been approved by the Supervising Engineer. After the pipes have been laid in the trenches by qualified plumbers, and the successful hydraulic tests conducted, they shall be carefully covered with soil and rammed in, in soil layers of 20cm thick. The backfilling of pipes crossing motor able roads shall be done in conformity with laid down norms. The compaction requirement for backfill shall be at least 90% of the dry modified optimum proctor density.

PIB 2025			
<b>CONTRACTOR:.....</b> <b>P.O. Box                      Phone N°</b> <b>.... CONSTRUCTION PROJECT</b>		<b>CROSS - SECTION OF BOREHOLE</b>	
		<i>Locality:</i>	<b>Borehole with manual pump.</b>
<b>DEPTH</b> <i>Drilled:</i> <i>Designed:</i> <i>Hardrock:</i>	<b>DESIGN</b> <i>Nature:</i> <i>Øinternal:</i> <i>Øexternal:</i> <i>Length of Casing:</i> <i>Length of screen:</i> <i>Slot opening:</i> <i>Type of joining:</i>	<i>Date:</i> <i>to</i>	<i>Region:</i> <i>Division:</i> <i>Council:</i>
<i>Yield at the end of drilling:</i>		<i>GPS Coordinates of locality: x=                      y=                      z=</i>	
<i>Quantity of gravel pack:</i>		<i>Geophysics:</i> <i>Development: Yield:</i> <i>Duration:</i>	
<b>OBSERVATIONS:</b>	<i>Direction of Fractures:</i>	<i>Date of Provisional Reception:</i> <i>Nature of gravel pack:</i> <i>Grain size:</i>	<i>Casing Length above the surface:</i> <i>Nature of casing:</i> <i>Type of relief:</i>

**HYDRO-GEOLOGIC SITE SELECTION :**

Resource persons met with:

Date :

**GEOPHYSICAL SITE SELECTION :**

Resource persons met with:

Date :

.....COUNCIL/ PIB 2025NORTH-WEST		<b>REPORT ON BOREHOLE CLEANING AND DEVELOPMENT</b>			
<b>CONTRACTOR:</b> BP <b>PHONE N°</b>		<b>LOCALITY:</b> <b>COUNCIL:</b> <b>DIVISION:</b> <b>REGION:</b>			
Depth Drilled:.....m/surface		Designed Depth: :.....m/surface			
1 <sup>st</sup> Arrival of Water:.....m.		Yield measured at the end of Drilling:.....m <sup>3</sup> /h			
Static Water level: .....m/surface					
DATE	TIME	DURATION (in minutes)	MESURED WATER YIELD	WATER QUALITY	OBSERVATIONS
		0			
		5			
		10			
		15			
		30			
		45			
		60			
		90			
		120			
		150			
		180			
		210			
		240			



25	5				
30	5				
35	5				
40	5				
45	5				
60	15				
75	15				
90	15				
105	15				
120	15				
135	15				
150	15				
165	15				
180	15				
195	15				
210	15				
225	15				
240	15				
255	15				
270	15				
285	15				
300	15				
315	15				
330	15				
345	15				
360	15				

CONTROLLER:

OPERATOR:

203	Installation and removal of temporal PVC or metallic casing of Ø 175-195mm	ml	25		
204	Air Rotary and Percussion Drilling with the down-the-hole hammer of Ø 6" to 6" %) in hard rock	ml	35		
<b>SUB TOTAL 200</b>					
<b>300: DESIGN, CLEANING, DEVELOPMENT AND PUMPING TEST</b>					
301	Supply and installation of PVC casing of Ø 112 - 125mm	ml	42		
302	Supply and installation of PVC screen of Ø 112 - 125mm with slot openings of Ø <2mm	ml	18		
303	Supply and putting in place of a gravel pack of a quartzeous nature and calibrated: (1 - 2mm) or (2-4mm)	m³	1.2		
304	Putting in place of the borehole cap	U	1		
305	Cleaning and development of the borehole by the air lift method	U	1		
306	Pumping test	U	1		
307	Sampling and physico-chemical Analysis of water from the borehole	U	1		
308	Disinfection of the borehole	U	1		
<b>SUB TOTAL 300</b>					
<b>400: SUPERSTRUCTURE AND MANUAL PUMP INSTALLATION</b>					
401	Construction of a pump stand followed by "margelle, anti bourbier, regard de visite" etc.	m²	2.5		
402	Supply and installation of a manual pump of the type: India Mark II, Vergnet, SWN, AFRIPUMP sold by one of Suppliers authorized by MINEE.	U	1		
403	Construction of a soak away pit with a concrete slab + a drainage network (made of a buried PVC pipe) of length 8m + the Supply and installation of a chain and padlock for the pump.	U	1	PHASE II	
404	Half wall in 40x15x20 cm block built in PC 250kg/m³ with tiles + Metallic gate of dimension 3mx3mx1,2m.	LS	1	PHASE II	
405	Solar pannel with all it accessories	LS	1	PHASE II	
<b>SUB TOTAL 400</b>					



**BILL OF QUANTITIES AND FOR THE CONSTRUCTION OF A BOREHOLE AT YOUTH CENTRE IN GWAN PHASE I BALI SUBDIVISION, MEZAM DIVISION OF THE NORTH WEST REGION.**

PRI X	DESIGNATION	UNIT E	QT E	P. Unitaire	Prix Total
	100: SITE INTALLATION				
101	Site selection : Hydrogeologic, geophysical studies and implantation	U	1		
102	Mobilization: Transportation of materiel and equipment	U	1		
	<b>SUB TOTAL 100</b>				
	<b>200: DRILLING WORKS</b>				
201	Installation and Withdrawal of drilling rig and other equipments	U	1		
202	Air Rotary Drilling of 0 9"7/8 in unconsolidated loose formations	ml	25		
203	Installation and removal of temporal PVC or metallic casing of 0 175-195mm	ml	25		

501	Training of 02 Caretakers of the pump	LS	1	PHASE II	
502	Planting of Grass and flowers to delimit the area.	LS	1	PHASE II	
503	Supply and putting in place of a tool box for reparation and maintenance operations of the pump.	LS	1	PHASE II	
<b>SUB TOTAL 500</b>					-
<b>600: AUTRES PRESTATIONS</b>					
601	Production and validation of an environmental impact	U	1	PHASE II	
<b>SUB TOTAL 600</b>					-
<b>TOTAL WITHOUT TAXES</b>					
<b>VAT (19.25% )</b>					
<b>AIR (2.2%)</b>					
<b>TTC</b>					
<b>NET PAYMENT AFTER RETENTION</b>					

**DOCUMENT NO. 8:  
FRAMEWORK OF SUB-DETAIL OF PRICES**