

REPUBLIC OF CAMEROON
Peace-Work-Fatherland

**MINISTRY OF LIVESTOCK FISHERIES
AND ANIMAL INDUSTRIES**



REPUBLIC DU CAMEROUN
Paix-Travail-Patrie

**MINISTERE DE L'ELEVAGE, DES PECHEES
ET DES INDUSTRIES ANIMALES**

**LIVESTOCK AND FISHERIES DEVELOPMENT PROJECT
(LIFIDEP)**

LIFIDEP SPECIAL TENDERS BOARD

REQUEST FOR QUOTATION.

**N° 43/RFQ/ LIFIDEP/STB/2020 OF 19/10/2020 FOR THE
CONSTRUCTION OF STORAGE FACILITY FOR OXEN AND TOOLS
FOR THE OPERATIONALIZATION OF 7 DEMONSTRATION PLOTS
FOR THE LIVESTOCK AND FISHERIES DEVELOPMENT PROJECT
(LIFIDEP) FOR THE NORTH WEST REGION OF CAMEROON.**

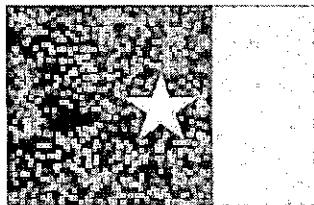
Country: Cameroon

Project: Livestock and Fisheries Development Project (LIFIDEP) for the North
West Region of Cameroon.

Financing: Islamic Development Bank (IsDB)/Government of Cameroon (GOC)

**Project Identification: PCMR 0102:
Financing Agreement N° 2CM0065
Package N° 9**

Date of issue: 19/10/2020



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LIVESTOCK AND FISHERIES DEVELOPMENT PROJECT (LIFIDEP)

REQUEST FOR QUOTATION.

N° ~~4.2~~ RFQ/ LIFIDEP/STB/2020 OF ~~19.10.~~ 19.10./2020 FOR THE
CONSTRUCTION OF STORAGE FACILITY FOR OXEN AND TOOLS FOR
THE OPERATIONALIZATION OF 7 DEMONSTRATION PLOTS FOR THE
LIVESTOCK AND FISHERIES DEVELOPMENT PROJECT (LIFIDEP) FOR
THE NORTH WEST REGION OF CAMEROON.

Date of Issue of Request: 19/10/2020

To:

- ENERGIE AFRIQUE SARL P.O Box 34666 YAOUNDE; Tel 222 76 98 15
- SOCAFAVEF P.O Box 631 DOUALA, Tel: 677 75 45 10
- POWEL & POWEL, P.O Box 632 DOUALA; Tel 695 43 57 35

Sir/Madam:

1. The Livestock and Fisheries Development Project (LIFIDEP) (*Employer*) hereby requests you to submit a quotation for the following works:

The construction of storage facility for oxen and tools for the operationalization of 7 demonstration plots in the following locations: Fundong, Tadu, Misaje/Dumbu, Santa (Coffee Estate), Wum(WADA) Gwofon and Babungo in North West Region of Cameroon

Please note, however, that a firm which has been associated with the firm that prepared the design, or specifications, or engaged in the preparation of the Project or a firm that will provide supervision of the Works for the Employer, shall not be eligible for the execution of the Works.

To assist in the preparation of your price quotation, the necessary specifications, bill of quantities and drawings, form for submitting the quotation and a draft contract form are enclosed. You are advised to visit the site of the works at your own expense, and obtain necessary information for preparing your quotation.

[Signature]

2. You shall submit one original of the Price Quotation with the Form of Quotation, and clearly marked "Original". In addition, you shall also submit six (6) copies marked as "COPY". In case of any discrepancy between the Original and Copy, the original shall govern

3. Your quotation in the attached format should be signed, sealed in an envelope and addressed to and delivered at the following address:

Livestock and Fisheries Development Project (LIFIDEP)

Ayaba street, P.O Box 142, Mankon, Bamenda.

Telephone: 691 046 397

E-mail: lifidepawr@gmail.com

4. You must have experience as a prime contractor in the construction of at least one work of the nature and complexity equivalent to the works included in this Request for Quotation over the last three years as evidenced by a client's certificate of completion, and provide evidence of availability of financial resources to successfully complete the works in the amount of 20 000 000 FCFA. Otherwise, your offer will not be considered further.

5. You shall submit only one quotation. Your quotation must be typed or written in indelible ink and shall be signed by you or your authorized representative. Without a signature in your Form of Quotation, your quotation will not be considered further.

6. In evaluating the quotations, the Employer will adjust for any arithmetical errors as follows:

- (a) Where there is a discrepancy between amounts in figures and in words, the amount in words will govern;
- (b) where there is a discrepancy between the total price in the Priced Activity Schedule (or Bill of Quantities) or the quoted amount indicated in the Form of Quotation, the total price in the Priced Activity Schedule (or Bill of Quantities) shall govern;
- (c) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern; and
- (d) if you refuse to accept the correction, your quotation will be rejected.

7. Your quotation shall be valid for a period of thirty (30) days from the date of submission.

8. Your quotation in duplicate and written in English or French language shall be for the whole works and based on the unit and total price indicated in the filled-in Bill of Quantities. Currency of quoted prices and payment shall be in Francs CFA. The quotation shall include all duties, local taxes and other levies payable by the contractor in accordance with the local laws. In case of any discrepancy between the original and duplicate, the original shall prevail.

9. The Employer will award the contract to the Contractor whose quotation has been determined to be substantially responsive to this Request for Quotation and who has offered the lowest evaluated price quotation. A quotation is not substantially responsive if it contains material deviations or reservations to the terms, conditions, and specifications in this Request for

Quotation, and it will not be considered further. The Employer will evaluate and compare only the quotations determined to be substantially responsive.

10. If you withdraw your quotation during the validity period and/or refuse to accept the award of a contract when and if awarded subject to paragraph 7 above, then you will be excluded from the list of contractors for the project for two years.

11. The contract will be governed by the terms and conditions of the attached Form of Contract.

12. Your quotation including Form of Quotation and filled-in Section 2 Priced Bill of Quantities should be submitted by 19/11/2020 at 10.00 am. The quotations shall be opened in public in the presence of contractors' representatives who choose to attend, on 19/11/2020 at 11.00 am at the following address.

Conference Room, Ground Floor, Livestock and Fisheries Development Project (LIFIDEP) Building
Ayaba street, P.O Box 142, Mankon, Bamenda.

13. The bidder whose quotation has been accepted will be notified of the award of contract through the Letter of Acceptance issued by the Employer within 30 days from the date of submission of quotation.

14. The Employer intends to apply funds from the Islamic Development Bank (IsDB) for eligible payments under the Contract resulting from this Request for Quotations.

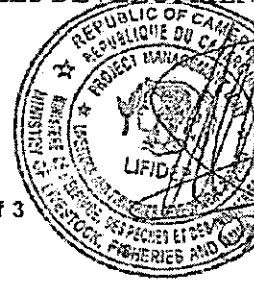
15. Under IsDB's Anticorruption Policy bidders shall observe the highest standard of ethics during the procurement and execution of such contracts. IsDB will reject a proposal for award, and will impose sanctions on parties involved, if it determines that the bidder recommended for award or any other party, has engaged in corrupt, or fraudulent practices in competing for, or in executing, the Contract as specified in the Guidelines for Procurement of Goods, Works and related Services under Islamic Development Bank Project Financing, September 2018. At the time of submission of your quotation, you should not be in IsDB's sanctions list.

16. Please be informed of IsDB's policy on Procurement Related Complaints as stipulated in the above mentioned Guidelines (Annex C).

17. Please Confirm by fax/e-mail the receipt of this request and whether or not you will submit the price quotation(s).

Sincerely,

For : LIVESTOCK AND FISHERIES DEVELOPMENT PROJECT

THE COORDINATOR

MBA

Page 3 of 3

Section 1

Specifications

1 TECHNICAL SPECIFICATIONS

1.1 GENERALITIES

This descriptive notes and technical specifications are drawn up for the purpose of construction of an oxen and tools storage for the operationalization of pasture improvement demonstration centers in the North West Region of Cameroon.

This handbook is for those to execute and supervise the client, to direct and guide them towards quality choice of materials, method of job execution and condition of execution in order to achieve the highly desired goal. Building materials to be used are those that are generally permitted in the construction industry in Cameroon and only qualified technicians must be employed to transform same into the structure clearly shown on the working drawings. The structural, functional and aesthetical value of these buildings depends very much on the professional manipulation of chosen materials.

The contractor or builders charged with the execution of this project must carefully study the working drawings, visit the site and bring up points not understood to the architect or the control engineer or the supervisor (as may be necessary) for clarification before making shop drawings and implantation at all stages of the realization of the project. The contractor shall proceed with a careful study of the project and as need arise, make observations and suggestions; and receive feedback from the architect before continuing with work. All supplementary tasks verified and signed by the supervisor after obtaining the consent of the Architect on the technical aspects and the project owner if such tasks have financial incidence on the total cost of the project. Careful Geotechnical studies must be done to determine characteristics of the soil, hence the depth and type of foundation necessary to safely bear and transmit both the dead and live loads of the building.

1.2 PRELIMINARY WORKS

1.2.1 Building site installations

The contractor shall demolish any existing structure on the site, conserve re-usable materials as shall be recommended by the Architect or the control Engineer. He shall clear the site of all debris and set up temporary structures and facilities needed to execute the works such as: Offices of the contractor equipped with tables, chairs and lock-up cupboards. Building site toilet facility(as necessary) Storage for building materials, etc.

1.2.2 Connection To Utility Networks

-Water

Connect to the Camerounaise des Eaux (CDE) water supply network, where possible, or any other solution acceptable to the supervisor, if the CDE network is not available. The contractor shall be responsible for the constant supply of sufficient water to the project site. He shall not, under any circumstance, use the excuse that those supplying him with water or that CDE have failed in their assignment to justify delays in the execution of the contract. The water used must be of an acceptable quality for the works.

1.2.3 Sanitation

The contractor shall ensure the availability and use of toilet facilities at the work site for his workers and those providing ancillary services on the site.

1.3 WORKS TO BE EXECUTED

1.3.1 Earth works

Demolition, clearance of debris and trench excavation works shall be done manually and or mechanically with due care taken not to cause damage to adjoining property. Trenches large enough for workers to operate in shall be dug to receive pad foundation and appropriately located footings for columns which shall be linked by ground beams. These operations shall be done under the close supervision of the Control Engineer.

The foundation width and depth will be done strictly to the detailed structural drawings and calculation table specifically prepared for that purpose.

1.3.2 Blinding concrete

A 5cm thick lean concrete mix of 150kg/m^3 (cpj 325) shall be laid under pad foundation and pillar footings.

1.3.3 Mass Concrete

The ground floors and outdoor pavements of this building shall be of mass concrete dosed at 300kg/m^3 in conformity with the rules and regulations regarding pavements, and with finishes as required by the design.

1.3.4 Reinforced Concrete

The skeleton (framework) of this building consist of R.C beams and pillars, which must be cast in-situ and in accordance with the rules of CP 110 and batching done according to trial batches or Dreux method, by weight and or volume, closely supervised by the Engineer in charge. Mixing, transportation, placing and vibration of all concrete works shall be done manually and or mechanically. Reinforced concrete for pillars, beams, lintels, ribs to upper floors, and the ring beam shall be dosed at 350kg/m^3 .

Based on the structural analysis to be done by a qualified structural Engineer, the magnitude of the dead and live loads shall be determined to permit a safe structural design of the buildings.

The ground floors shall receive 10 cm thick mass concrete dosed at 300kg/m³ laid on a layer of hardcore the thickness of which will be determined and approved by the control Engineer. The coarse aggregates shall be of class 15/25 and free from organic impurities and any substance that may adversely affect the strength and workability of the concrete. Cast concrete shall be cured as required by the art to permit it achieve maximum strength.

1.3.5 Reception for Reinforcements

Before concrete is cast, the contractor must inform the supervisor that work has been completed in the assembling of reinforcements so that they can be approved. The control Engineer shall indicate "Good for concreting" on the building site log, after reception, thereby authorizing the contractor to proceed.

1.3.6 Formwork

All foundation concrete structures shall be made inside ordinary concrete forms, unless otherwise specified by the supervisor and should meet the following requirements:

- ~ If the concrete box is made with timber that has simply been assembled, the boards must be of the same level and properly jointed. The maximum space between the joints should be 2mm. the maximum difference in level between two jointed planks should be 3mm.
- ~ If the ordinary form is made of fiberboard or plywood, the sides must be properly jointed and be at the same level. The tolerated space between joints should be same as those between sawn timbers.
- ~ Formwork for reservations or recesses.

Recesses intended for masonry fittings or other uses should be made using appropriate forms. Such forms should be put together in such a way that their parts can be removed without damage to the structure.

PRE-CASTING PREPARATIONS

a) Cleanliness of forms

The form must be free from hydrocarbon products such as grease, rust etc. If there are any stains, these must be thoroughly cleaned up.

b) Cleaning

Before concreting, the concrete boxes must be carefully cleaned to remove all dust and debris. Compressed air should be used to finish the cleaning.

c) Watering

Timber forms must be sufficiently watered before concreting. They should be watered several times to make the wood as wet as possible, causing it to swell and close any gaps in the joint.

The wet surfaces must not, however, be dripping with water. Excess water shall be blown out using compressed air.

d) Coating with oil

The following shall be oiled before concreting

Worked moulds of plywood or fiberboard and all moulds for fine dressing.

Excess oil in the moulds must be drained before concreting. The oils used must be special stripping oils.

The oil used must not touch the reinforcement rods.

e) Maintenance of formwork

If the moulds are to be used more than once they should be properly cleaned, and if necessary, repaired before reuse.

f) Safety of workers and others on site

Nails and bolts should immediately be removed from used forms if they are to be used again. Otherwise, the forms should be burnt immediately or stored at a distance from the building site, in a place that is not accessible to the public.

Stability/firmness of formwork should be assured.

1.3.7 Constituent Materials of Reinforced Concrete

✓ Crushed Aggregates

All crushed aggregates on the building site should be stored in the compartments intended for this purpose. The only aggregates authorized on the building site are the following:

- Crushed 0/5 gravel (river sand) --
- Crushed 5/15 fine gravel
- Crushed 15/25 coarse gravel
- Natural or crushed sand 0/5 (the quantity retained on a 5mm sieve must be less than 10%)

Crushed aggregates supplied to the site shall be subject to prior approval of the supervisor. The latter must approve the origin of the aggregate. The aggregate should come from rivers, quarries or crushed stable igneous rocks, free impurities, organic matter, dust, mud and clay; and should not stick to grip.

With respect to particle distribution, the following shall apply:

✓ Sand (Fine Aggregates)

Sand shall have the characteristics specified in the tables of approved tests. Sand

must be fine, clean, and sharp and must not stick to the hand. It must be free of any soil or limestone, clay, debris and organic particles.

It should (if need be) be sieve and washed. The sand must come from approved quarries or from rivers. It must not contain more than 5% weight of grit passing through a sieve with 900 meshes per cm² and must not contain particles, whose biggest dimensions exceed the following limit.

- For mortar 0/2mm
- For reinforced concrete 0/5mm
- For mass concrete 10/5mm

Cleanliness: the sand must have sand equivalent (SE) higher than 75

✓ Cement

Cement shall be true Portland of standard brand and manufacture that is CPA 45 or CPJ 35 type or equivalent.

The cement used should be artificial Portland cement 215.325 P.15.302 standard. Any humid cement shall be rejected and immediately removed from the building site. The contractor must inform the supervisor that he has received his supplies for immediate inspection and approval. Random samples could be taken from each lot and tested in an approved laboratory using the AFNOR P.15.301 Standard, at the contractor's expense.

Those that do not meet the standards must be removed from the stock and taken away from the building site. The bags must be in good shape, at the time they reach the site, and should be stored in a covered and completely dry place, and on a raised plank surface that is at least 20 cm above the ground.

1.3.8 Reinforcements

All reinforcing bars or mesh must comply with BAEL 91 specifications. Iron rods must have French AFNOR 35.001 standard characteristics or similar. All reinforcing bars used in the building project must be of the Fe E240 grade for smooth bars and Fe E400 grade for high bond rods. The rods must be cut with shears.

The rods should be bent cold, either manually or mechanically. Hot bending may be allowed for high adhesive rods of a diameter equal to or larger than 32mm, on condition that a control apparatus is used to avoid overheating, and upon the approval of the Control Engineer.

The diameter of the tube benders used for bending must comply with BAEL 91 rules and approval records. Anchor tabs shall be normal 45- degrees elbows at right angle or double knee anchoring. The meter used shall be clean and free from calamine. Bars with defects such as blisters, cracks or hairlines that can affect tensile strength shall be rejected.

Concrete re-enforcements shall be assembled to the exact dimensions indicated in the drawings provided by the structural Engineer or the Contractor. Reinforcements must be assembled in the workshop at the building site. They should never be assembled inside the form box if the check boards have already

been put in place.

The space between the walls of the formwork and reinforcements should be at least 2.3 cm for elevation concrete and 4cm for foundation concrete. These spaces should be obtained using prefabricated concrete or plastic shims or spacers, whose dimension should match the results to be obtained. The concrete shims should have wires to be used in tying them to the reinforcements. There should be enough shims and mounting bars to prevent the reinforcements from being deformed during handling and concreting.

If there are any doubts as to the quality of the iron rods supplied to the project site, the control Engineer or site supervisor shall request for tensile strength tests on the samples taken from the batch. Such tests shall be done at the contractor's expense. The tests shall be carried out by a competent and approved body.

For floor ribs, all measures shall be taken to keep the bars rest and properly positioned around the supports. Enough vertical stirrups should be used to prevent any deformation. All overlaps shall comply with BAEL 91 prescriptions.

Frames with traces of non-adhesive rust should be thoroughly brushed off before being placed in the forms. The reinforcing bars, whether assembled or not, should be used for circles with diameters of 200: O. The iron rods supplied must be at least 11m long.

1.3.9 Placing of concrete

The concrete should be placed before its initial setting time, and never after it has contained its water content for more than thirty minutes; storing it in containers for subsequent use after adding water is strictly prohibited. All concrete pouring shall be accompanied by thorough vibration using a mechanical (hand) vibrator.

All reinforcing bars shall be placed in such a way that concrete can be poured from the top of the structures in question. The contractor shall take all measures to trim and position the reinforcing bars to prevent them from being jabbed or displaced during concreting. He should also add braces (sleeves, tubes, pipes, angle blocks, pre-frames, etc) to keep the structures firmly setup. Concrete should be transported from the place where it is mixed to the place of use in concrete buckets, wheelbarrows or head pans.

Before concreting construction joints, the surface of the old concrete must be thoroughly cleaned of any particles using compressed air, and repeatedly to reveal gravels, thus eliminating deposits of dirt; this surface should then be washed and scrubbed with an iron brush and thoroughly soaked. If necessary, admixtures for construction joints can be used, but these must comply with producers' instructions.

The formwork should never be removed earlier than 21 to 28 days, time to allow the concrete acquire its maximum strength.

1.4 MASONRY

The foundations walls shall be done either in igneous (black stone) rocks either shaped or not as the need may be or hollow sand screed foundation blocks of 20x20x40cm filled with concrete mixed at 150kg/m^3 using cement mortar dosed at 350kg/m^3 . The walls shall be erected with hollow sand screed blocks of 15x20x40 as shown on the working drawing dosed at 350kg/m^3 .

1.5 PLASTERING

The bearing shall be cleaned, free from any trace of dust or products resulting from the removal of the formwork. Two base coats of plaster, respectively 1.5cm thick and a finished coat of 0.5cm thick shall be applied on the walls using cement mortar dosed of 400kg/m^3 .

1.6 CARPENTRY AND JOINERY

Timber shall be obtained locally. It shall be well seasoned to at most 20% moisture content and shall be free from shacks, defects, insect attack and dry rot. All door frames shall be made with hard wood. Roofing timber shall be recommended sections of mature eucalyptus, well sawn and trimmed to sizes.

1.7 OPENINGS

1.7.1 Metallic Doors

All the doors and windows shall be of high quality glass and metal (aluminum) properly finished and in conformity with the dimensions on the drawings. They shall be subject to the approval of the Control Engineer before fitting is carried out.

1.8 PAINTING

The contractor must carefully examine the surface to be painted before work starts. The external wall surface shall be done in advancing hues while the internal shall be in receding hues. Color pigments, lighting systems and their intensity shall be chosen such as to enhance illumination of the spaces. The first or primary coat shall be done in weak glue (white wash) and shall be applied to receive the final or finishing coat. Internal surfaces shall be done in Pantex type 800 whereas Pantex type 1300 shall be used on external walls. Paint shall be in water and oil base for walls, ceiling, frames etc. Metallic surfaces shall be carefully brushed and washed before applying oil paint.

1.9 ROOF COVERING

All the timber for the roof truss shall be mature well-seasoned eucalyptus, and shall be of straight grains without defects and treated against insects with carbonyl. Most of the roof trusses shall be triangular. The rafters shall be of 2"x6" (5x15cm) and the purlins 2"x4" (5x8cm) oblique, horizontal and vertical wind braces shall be done to secure the truss from possible up heave due to wind pressures. The roof shall be tied to the building by diameter 6mm extended reinforcements bars. The roof slope, fall direction etc. shall be chosen in accordance with manufacturer's specifications, atmospheric conditions aesthetics and longevity. The sheathing shall be 6/10 semi-circular corrugated three (3) m long aluminum sheets. They shall be screwed or nailed to the purlins by carefully chosen qualified and skillful technicians under the close supervision of the Architect. The fascia boards shall be of metal sheets with a finish hue to be determined by the Architect in close collaboration with the client.

1.10 CEILING

The ceiling shall be executed with 4mm hard (red) plywood fixed on solidly nailed preserved noggins and painted as mentioned above.

1.11 ELECTRICITY

Able sleeves: they shall consist of orange insulation tubes, diameter of 16mm embedded in to the block work.

Cable: they shall be of 2.5mm^2 (of type TH) single shall be run inside 11mm plastic conduit pipes for power outlets and switches that shall be embedded in walls. As a general rule, the following sections shall be taken, that is 1.5mm^2 for lighting circuits and 2.5mm^2 for outlet circuits.

Lighting equipment: it will consist of fluorescent lamps of 1.20m or modern energy saving light bulbs, fitted inside each of the business, living or circulation spaces at the rear ends of the buildings to act as security lamps. Model of good lamps shall be Philip, Mazda, Turbo, etc.

Switches: a two way two gang fuse box has to be provided at the supply inlet for connection to the necessary network. A master's switch shall be put above the main black board in control the sockets. The two building shall be separately and properly earthed.

NB: Generally, electrical installations should be carried out in conformity with the rules and regulations of the National Electricity Corporation(ENEO).

1.12 Mitigating the risks on the environment.

These standard clauses constitute the Environmental Regulations relating to the construction works to be carried out in the realization of this project.

The contractor selected to execute the works shall have to implement not only measures aimed at mitigating the socio-environmental impacts of the project but also environmental and social clauses outlined below. It should be stressed that these clauses apply to all types of projects, the main contractor as well as all sub-contractors or dealers.

These measures include:

A reduction in the raising of dust particles at the work site in order to protect the health of the beneficiary population and site workers, by regular watering of the site, or the adoption of an appropriate calendar;

A reduction in sound (noise) effects due to the movements of the equipment and machines within the construction site.

Non obstruction of the existing natural drainage ways, or the deposit of waste in the stream channels.

Putting in place of a management plan for oils, fuel, lubricants and other dangerous products during construction and running of the project. The plan will have to include the recuperation of the above mentioned products and their transfer to specialized companies for treatment.

Works should stop automatically in the event of discovery of an archaeological or historical artifact, and to report immediately to the local services of the Ministry of Culture. Prohibition to transport or drive out game, hunting and non-timber forest products by the personnel working on the site.

Put at the disposal of the personnel working on the site adequate equipment for potable water and use of domestic water.

There should be priority for the recruitment of local labor, as well as the use of local materials.

Putting of warning signs (sign boards) at building site during and after work, putting speed limits warning signs as well in order to promote the safety and health of the resident population and of site workers.

The wearing of appropriate equipment and attire (e.g. work clothes) by site workers. Restoring (putting back to its original nature) gradually the installation on building site at the end of works.

Organizing information and sensitization campaigns for site workers and the beneficiary populations, on health risk, risks of accidents, and on the impacts of poaching.

1.12.1 Starting of works and sensitization of stakeholders

Before the effective start of execution of the works, the company or enterprise must prepare an environmental action plan specifying all the environmental measures to be implemented, as well as the rules of procedures mentioning in a specific way the safety requirements and in particular, the wearing of appropriate equipment (work clothes) and speed limit warning signs.

Furthermore, these international rules and regulations will have to prescribe the prohibition of alcohol during working hours, to transport or hunt game, to abusively use wood for fuel, as well as sensitization of the personnel on the dangers of *STI/SIDA*, measures to prevent COVID 19 as provided by the Government of Cameroon and World Health Organisation (WHO), the respect of the customs and habits of the people in the various areas where construction will take place.

These rules must be pasted at visible locations within the construction site. On the other hand, an information and sensitization campaign of the personnel and residents will have thus to be organized beforehand and their attention drawn to all these aspects, including the calendar of execution and the employment opportunities. This sensitization campaign will have to continue during the execution phase of the works.

1.12.2 Setting up a building

a) Localization

The importance of setting up a site is determined by the volume and the nature of works to be realized, the number of workmen or laborers, the number and the type of machines. The plan of setting up a building site will have to take into account management and protection measures.

b) Equipment

The area for the office and housing for personnel (if necessary) on the site must be equipped with sanitary facilities (latrines, septic tanks, absorbing wells, wash-hand basins and showers) in accordance with the work force. The water tanks (reservoir) shall be installed and the quantity of water must be adequate to the need. Adequate drainage shall be provided to the installations.

c) Management of solid waste and liquids

Reception containers to receive waste are to be installed near the various installations. These containers are to be emptied periodically and the waste deposited in a garbage can for recuperation by the council or in a dump pit. At the end of works the pit is to be filled (restored) with soil up to the level of the original soil.

1.12.3 Recruitment of site workers, health and safety

The contractor shall make use (in the most part) of the local labour force except for skilled labour, when not locally available then shall labour be brought from outside of the North West Region. Apart from the training and information for the personnel on the aspects mentioned above, the contractor must provide his workmen with the adequate safety equipment, in conformity with the assigned duties-masks to protect against dust particles, anti-noise helmet, safety shoes, boots, gloves, goggles, etc. during the works, mobile and fixed signs or notices shall be put installed at strategic locations to ensure the safety of staff and the resident population. The company or enterprise shall carry out routine watering of the site in order to limit air-born dust particles. He shall also take care to limit the speed of the various vehicles and machines to at most 40km/h. in the same way, he shall ensure that all the temporary deviations are identified in collaboration with the resident population, and that they do not affect the sensitive zones.

1.12.4 Bringing back the site to initial or original state (restoration of the site) and withdrawal from the site.

At the end of the works, the site shall be restored to its initial or original state. In this regard, installations not necessary thereafter shall have to be taken off the site:

- ✓ The leveling of the site and in particular, the top soil in order to facilitate the infiltration of water, re-planting of grass and trees as the case may be.
- ✓ Restoration of the natural flows.

- ✓ Removal of the dilapidated aspects of the site.
- ✓ Filling up (either through re-filling) of pits in order to avoid the erosion of the degraded soil.
- ✓ Restoration of the pit and recuperation of surface waters and conservation of the slope, etc.

The contractor shall remove all his materials and machines. He is not supposed to abandon any equipment nor materials on the site, or the surroundings, without prior consent of the controller. Restoration of the site includes all the deviations and contours (e.g. foot paths etc.) set up during the works.

1.12.5 Management of water Resources

The contractor will have to avoid any conflict which can result from either the use of water resources or damage to the latter.

1.12.6 Compensation for the damages caused to third parties

It can happen that the company hurts an individual in a deliberate or accidental manner (destruction of plants, habitat, etc.). If this wrong is not taken into account by the project owner, it shall be absorbed by the contractor to the satisfaction of the injured party. On the other hand, he shall issue a certificate of compensation to the beneficiary, to avoid any subsequent complaints.

1.12.7 Site Security

- ✓ For the administration of the medical care in case of any accident on the site, we will have a pharmacy box (first aid) on the site. The site facilities that are compliant to norms of security will be distributed to workers (like helmets, gloves, boots etc.) Arrangements will be made to maintain good circulation at all time on the site. All underlying of materials will be kept in places that will help to prevent falling from a height while working. Two guards shall be employed to take guard of the site during and after working hours thus:
- ✓ To sensitize workers on the danger of electricity
- ✓ Two night watchmen shall be employed to take guard on the site after working hours.
- ✓ A day watch shall be employed to guard the site during working hours.
- ✓ Sign post shall also be prepared and mounted at entrances to indicate that work is underway. They shall contain information as indicated in the log book.

The contractor shall do everything possible to ensure that traffic is not obstructed by providing deviations and in places where this is inevitable, the contractor will seek the opinion of the local Authorities for the traffic obstruction for a given period.

1.12.8 Security of Personnel and Site

Protection for Personnel:

Personnel on site shall be protected from accidents through;

- ✓ Vigorous respect of construction norms on the site.
- ✓ The provision of helmets
- ✓ The provision of steel cap shoes
- ✓ The provision of gloves for those doing concreting and metal works
- ✓ Keeping of underlying materials like off cuts in place
- ✓ Scaffolding will be well fixed to avoid falling from a height
- ✓ The provision of standby vehicles shall be on site to evacuate workers to a nearby hospital in case of accident.
- ✓ Provision of sign post to indicate that work is underway.
- ✓ Educating of workers about the dangers of HIV AIDS and means of prevention.
- ✓ Implement measures to prevent the spread of COVID-19 as provided for by the Government of Cameroon and World Health Organisation (WHO),

1.12.9 Sanitation at Site

The contractor will put and implement sanitation by improving cleanliness in and around the project site by observing the following:

1. Dig a pit toilet for the workers to be using when at work so that they will not be littering the site and making it uncomfortable for people as well as the neighborhood
2. To always have health educational talks with the workers and also teaching them from what they need to do in order to avoid cholera and other diseases.
3. To connect a good portable water as for the workers to be drinking.
4. To always keep the project site clean and free from standing dirty water that can lead to mosquito bites.
5. Paste notices of warning to those dirtying the site.

Section 2

PRICED BILL OF QUANTITIES

**BILL OF QUANTITIES FOR THE CONSTRUCTION OF AN OXEN AND TOOLS
STORAGE FOR THE OPERATIONALIZATION OF PASTURE IMPROVEMENT
DEMONSTRATION CENTERS**

No	Works Item	Unit	Quantity	Unit Price	Amount	Remark
100 - PRELIMINARY WORKS						
101	Cleaning of the site	m2	95.07			
102	Setting out of structure	LS	1.00			
SUB-TOTAL 100						
200 - EARTHWORKS						
201	Mass excavation of foundation trenches	m3	10.04			
202	Back filling in compacted layers of 20cm for the foundation	m3	6.26			
SUB-TOTAL 200						
300 - FOUNDATION						
301	Blinding concrete dosed at 150 kg/m3	m3	0.49			
302	R.C dosed at 350 kg/m3 for foundation footings	m3	0.42			
203	Foundation blocks (20x20x40)	m2	19.25			
SUB-TOTAL 300						
400 - ELEVATION						
401	R.C dosed at 350 kg/m3 for pillars in elevation	m ³	1.20			
402	Provide and lay sand screed blocks in elevation and all accessories of (15 x 20 x 40 cm	m ²	61.50			
403	R.C dosed at 350 kg/m3 for chain beam (15 x 15 x 15 cm)	m ³	1.83			
404	R.C dosed at 350 kg/m3 for animals feeding slab (15 x 15 x 15 cm)	m ³	4.34			
SUB-TOTAL 400						
500 - ROOFING						
501	Provide and assemble wooden rafters, upright plus diagonals of 5x15cm	ml	252.00			
502	Provide and fixing of Purlins 5x5cm to receive roofing sheets plus accessories		176.00			
503	Supplying and fixing 6m roofing sheets 6/10 including fixing accessories	m2	138.00			
504	Supplying and fixing ridge cap including any suggestions		11.00			
SUB-TOTAL 500						

600 - DOORS					
601	Metallic door of 90x210cm	u	1		
SUB-TOTAL 600					

700 - WINDOWS					
701	Window of 150x120cm	U	2.00		
702	window protectors	U	2.00		
703	Metal protectors	ml	37.70		
SUB-TOTAL 700					

800 - ELECTRICAL WORKS					
802	11mm conduit pipe	Roll	1.00		
805	Electric cables 2.5mm	Roll	1.00		
806	Sockets	No	4.00		
808	Two way switches	No	5.00		
809	Energy saving bulbs and bulb holders	No	6.00		
811	junction box	No	1.00		
812	Single Phase fuse box	Ls	1.00		
SUB-TOTAL 800					

900 - PLASTERING					
901	Provide and apply rendering on the entire external surface	m2	39.90		
902	Provide and apply plastering on internal walls.	m2	62.40		
SUB- TOTAL 900					

1000 - FLOORING					
1001	Oversite mass concrete(10cm thick) dosed at 350kg/m3 plus 5cm thick topping with cement screed	m3	13.94		
SUB-TOTAL					

1100 - PAINTING					
1101	Provide and apply double layer pantex 1300 primer on the entire external walls	m2	39.90		
1102	Provide and apply double layer water base pantex 800 primer paint on the entire internal walls	m2	39.90		
SUB- TOTAL 1100					

TOTAL WITHOUT TAX FOR ONE(1) FACILITY					
TOTAL WITHOUT TAX FOR SEVEN(7) FACILITIES					
VAT(19.25)					
TOTAL WITH TAXES					

Section 3

Drawings

LIST OF PLANS AND DRAWINGS:

PLAN NO	DESCRIPTION
LO1	Floor Plan
LO2	Foundation Plan
LO3	Roof Plan
LO4	Section A-A
LO5	Front View
LO6	Rear View
LO7	Left And Right Views

FORM OF QUOTATION

(Date): _____

To: _____ (Employer's Name)

_____ (Employer's Address)

We offer to execute the _____ (name and number of Contract) in accordance with the Conditions of Contract (in the Form of Contract) accompanying this Quotation for the Contract Price of _____ (amount in words and numbers) (_____) (name of currency) _____. We propose to complete the Works described in the Contract within a period of _____ months from the Date of notification to start execution of the Contract.

This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the Validity of the Offer required by the proposal documents.

We have not been associated with the firm that prepared for the Employer the design and specifications of the contract that is subject of this request for quotation.

We are not in the IsDB sanctions list.

Authorized Signature: _____

Name and Title of Signatory _____

Name of Contractor: _____

Address : _____

Phone Number : _____

Fax Number, if any _____

Email address (optional) _____

FORM OF CONTRACT

Name of Country:

Project Name:

Name of Contract: _____

Contract Number _____

This Contract is made this _____ day of _____ 2020 between _____ on the one part (hereinafter called the Employer) and _____ (hereinafter called the Contractor) on the other part.

Whereas the Employer has called for quotations for (name and identification number of the contract) and the Contractor has submitted a quotation for the above work and the Employer has accepted the Contractor's Quotation dated _____ for the execution and completion of such works and the remedying of any defects therein.

Now this Contract witnesseth as follows:

1. The Contractor hereby covenants to execute the works fully described in the Activity Schedule (or Bill of Quantities) included in the Contractor's Quotation which constitute an integral part of this Contract (as Annex 1) in a professional and workmanship like manner in accordance with the following Conditions of Contract:

- (a) Remedy all defects within 30 days of notification by the Engineer in charge during the period of execution of the contract and thereafter defects notified within the defect liability period;
- (b) The Employer reserves the right to terminate the contract due to unsatisfactory performance 21 days after giving a written notice. If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Engineer in charge shall certify that the contract has been frustrated. In such an event, both the Employer and Contractor will have a right to terminate the contract by giving 21 days' notice to the other party without any financial repercussions on either side. Payments after termination or frustration shall consider the value of work completed and materials delivered by the Contractor, and the advance payment made by Employer;
- (c) All material and construction equipment on site, temporary works, and Works shall be deemed to be the property of the Employer if the contract is terminated due to fault of the Contractor;
- (d) The Contractor will in all cases abide by the directions of the Engineer in charge.

- (e) The Contractor shall submit to the Engineer in charge, a program within 7 days after signing the contract describing general methods and schedule to complete the works;
- (f) Contract completion period 4(months) after signing of the contract.
- (g) No part of the works shall be subcontracted without prior approval of the Employer.
- (h) New items of work performed as ordered by the Engineer in charge will be paid at the mutually agreed rate and in case of any disagreement between the Contractor and the Engineer in charge the latter will fix the unit rates that will be binding on the Contractor;
- (i) The Law governing the contract shall be applicable laws of the **Republic of Cameroon**.
- (j) The Contractor shall be responsible for the safety of all the activities on the Site.
- (k) During execution of works the Engineer in charge, **Joint Venture ORICAA/TWGA**, will carry out inspection of works at site to verify that works are executed by the Contractor in accordance with the specifications and required quality as per specifications. Engineer in charge will reject works not performed to the required specifications and the Contractor shall take immediate actions to rectify all defects in accordance with subparagraph (a) above;
- (l) Either party may terminate the Contract by giving a 21 days' notice to the other for unforeseen events such as wars and acts of Gods such as earthquake, floods fires etc. In such case the payments will be made to the date of termination of contract;
- (m) The Contractor is responsible for all taxes, duties, levies, etc. in accordance with the laws of the **Republic of Cameroon** and
- (n) The disputes between the Employer and the Contractor arising between them under or in connection with the Contract shall be resolved amicably. In the event the dispute remains unresolved either party may refer the dispute to the Competent Court in the North West region of Cameroon in accordance with the law governing the contract.

2. In consideration thereof the Employer covenants to pay the Contractor the contract price of _____ (*in words and figures*) in the following manner and installments:

- (i) An advance payment of 15 percent of the Contract sum will be paid upon the Contractor bringing at the work site the following items and Engineer in charge certifying it: (1) at least one half of all materials to be incorporated in the works or all materials to be consumed within three months whichever is less, and (2) all equipment required for the construction.
- (ii) All four subsequent installment payments will be made at the rate of 20 percent of the contract amount. Each installment payment will be due for payment within 21 days of submission of invoice when the value of the work actually performed, calculated on the basis of unit prices and quantities, reaches 20 percent of the contract amount.

(iii) The final payment of remaining 5 percent of the contract amount shall be made upon completion of the works certified by the Engineer in Charge and received by a committee consisting of :

1. The Project Coordinator LIFIDEP or his Representative: **President**
2. The Project Engineer (Joint Venture ORICAA/TWGA): **Secretary**
3. A Representative of MIDENO: **Member**
4. The State Engineer(North West Regional Delegate of Public Works):**Member**
5. The Project Procurement Expert of LIFIDEP: **Member**
6. Representative of the Ministry of Public Contracts: **Member**
7. Contractor or his Representative: **Member/Observer**

After the defects liability period the final acceptance will be carried out by this same committee

Payments shall be made to the Contractor within 21 days of the date of the payment request submitted by the contractor has been certified by the Engineer in Charge.

3. The defect liability period will be 12 (months) after taking over of completed works by the Employer.

In witness whereof the parties thereto have caused this Contract to be executed the day and year first before written.

Signature and seal of the Employer:
FOR AND BEHALF OF

Signature and seal of the Contractor:
FOR AND BEHALF OF

Name of Authorized Representative

Name of Authorized Representative

FORM of LETTER OF ACCEPTANCE

Date: _____

To: _____ *[Name and address of the Contractor]*

Dear Sir or Madam,

This is to notify you that your Quotation dated _____ for execution of the
[name and number of the Contract] for the Contract price of
_____ *[amount in words and figures]*, as corrected and
modified in accordance with the Request for Quotation has been accepted by us.

You are also requested to sign the attached contract form and commence construction of
the Works not later than _____, and ensure the completion of the Works within the
construction period specified in the contract.

For and on behalf of the Employer:

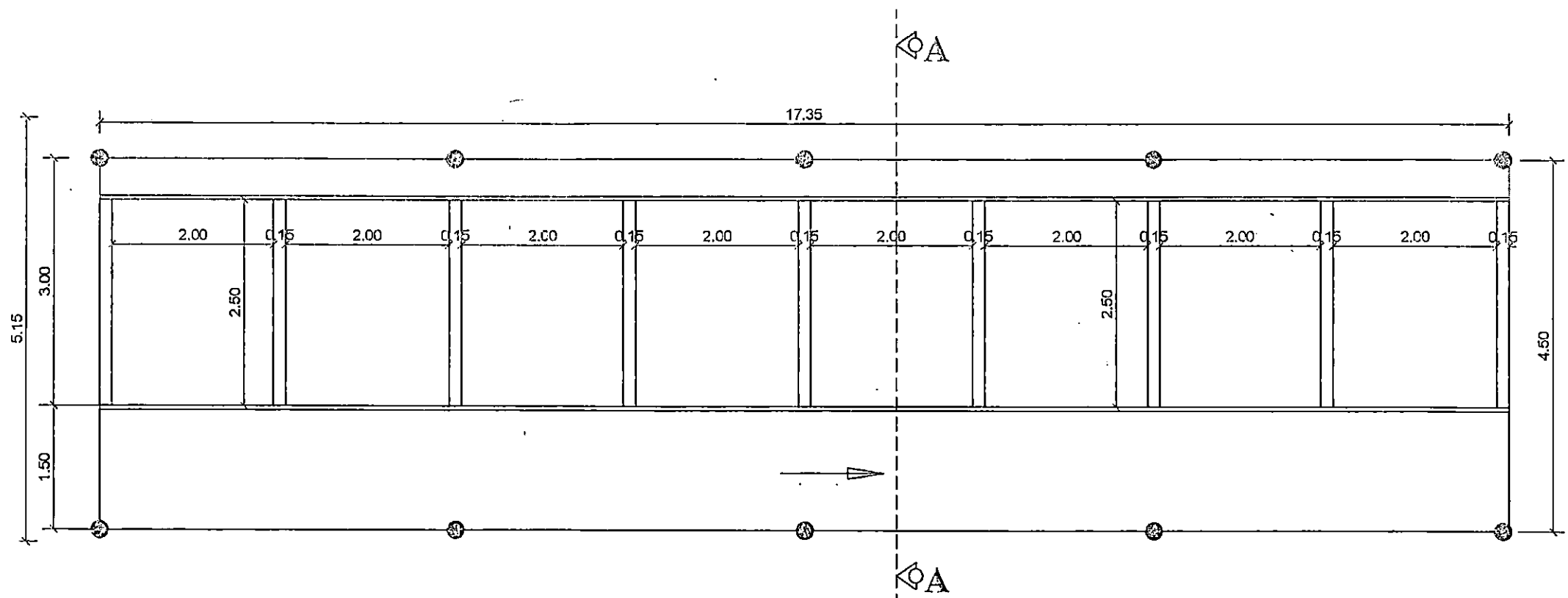
Authorized Signature:

Name of Signatory : _____

Title :

ANNEX 1: PLANS AND DRAWING

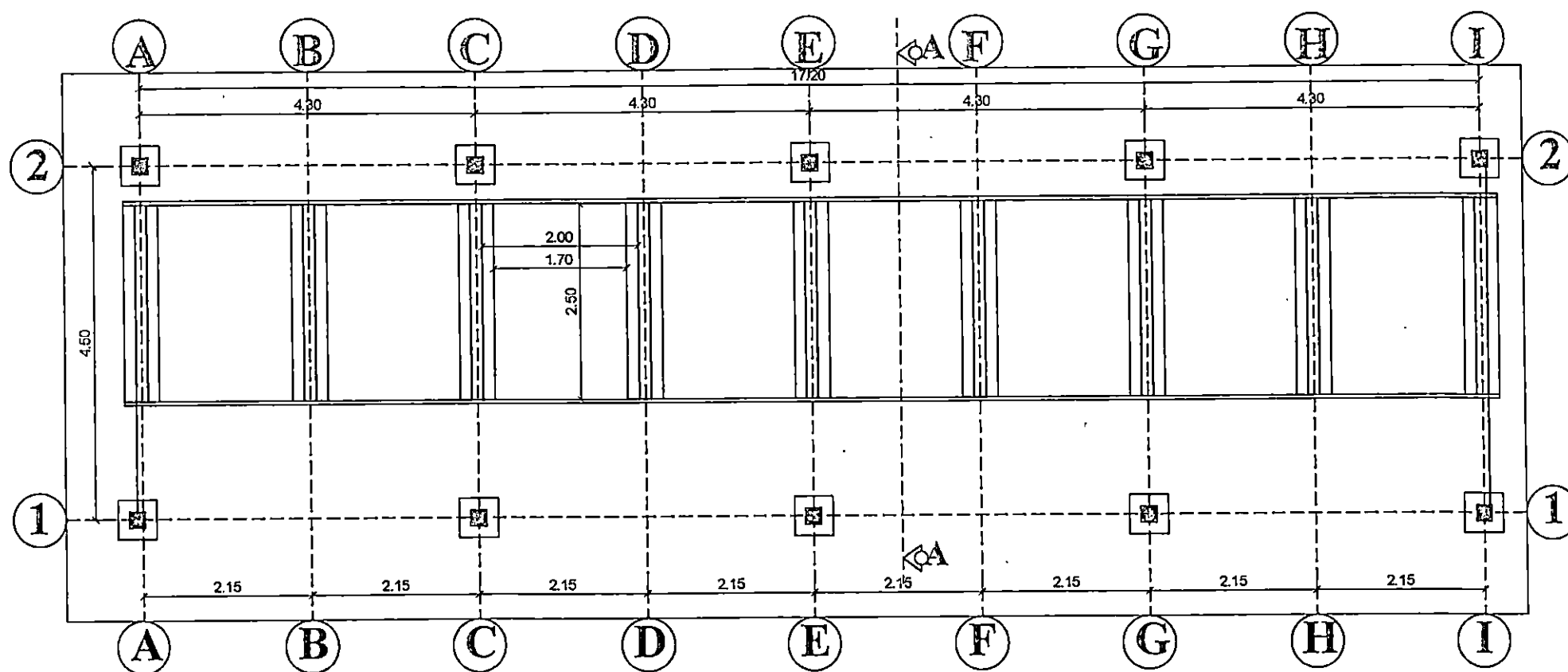
BUILDING FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF PASTURE IMPROVEMENT DEMONSTRATION CENTERS



GROUND FLOOR PLAN

<p>FISHERIES AMEROON</p>	<p>CLIENT: LIFIDEP BP 142 Bamenda Tel: +237 33 36 16 61 Email: lifidepnwr@gmail.com</p>	<p>CONSULTANTS: JV ORICAA/Teamwork Global Associates PO BOX 691 Bamenda Tel: +237 677 755 607/696 737 146 Email: oricaa_nwrcam@yahoo.com</p>	<p>Conceived by Drawn by Check by Scale Date</p>	<p>CHIA ISAAC WAKIDA JV ORICAA TEAM 1:700 APRIL 2020</p>	<p>SHEET NO LO1</p>
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FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF PASTURE IMPROVEMENT DEMONSTRATION CENTERS



FOUNDATION PLAN

ENGINEERING AND
LIVESTOCK AND FISHERIES
CENTRAL REGION OF CAMEROON

CLIENT:
LIFIDEP

BP 142 Bamenda
Tel: +237 33 36 16 61

Email: lifidennwr@gmail.com

CONSULTANTS:

JV ORICAA/Teamwork Global Associates

PO BOX 691 Bamenda
Tel: +237 677 755 607/696 737 146

Email: oricaa_nwrcam@yahoo.com

Conceived by

Drawn by

Check by

Scale

Date

CHIA ISAAC WAKIDA

JV ORICAA TEAM

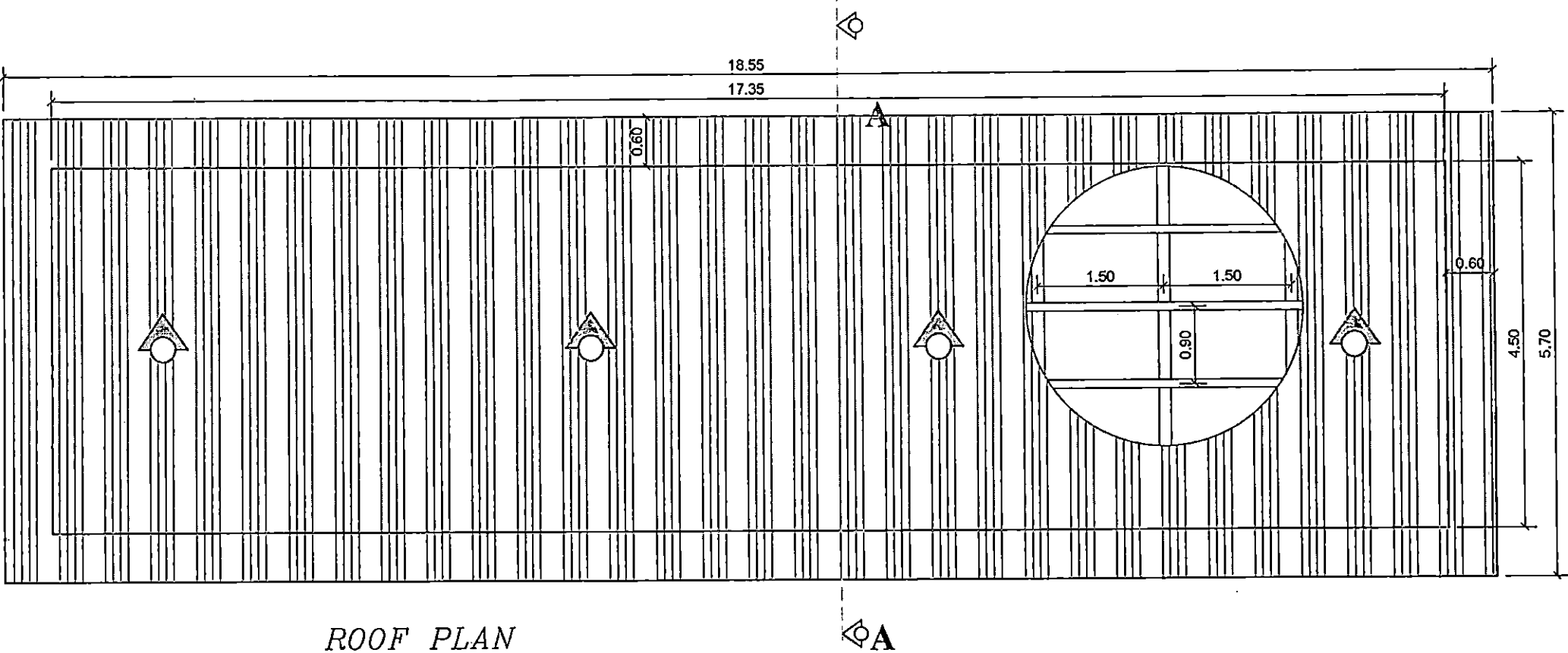
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APRIL 2020

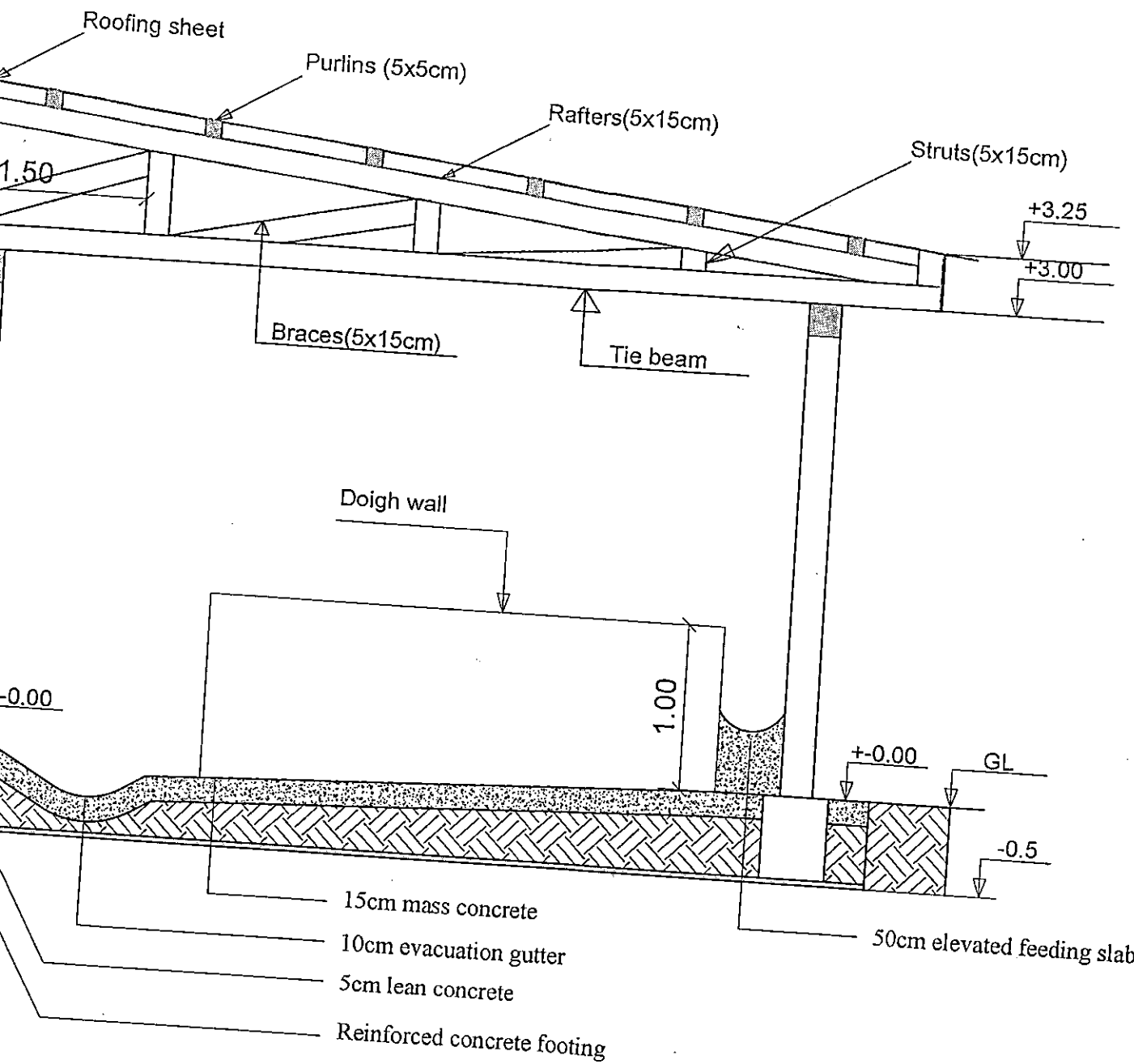
SHEET NO

LO2

BUILDING FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF PASTURE IMPROVEMENT DEMONSTRATION CENTERS



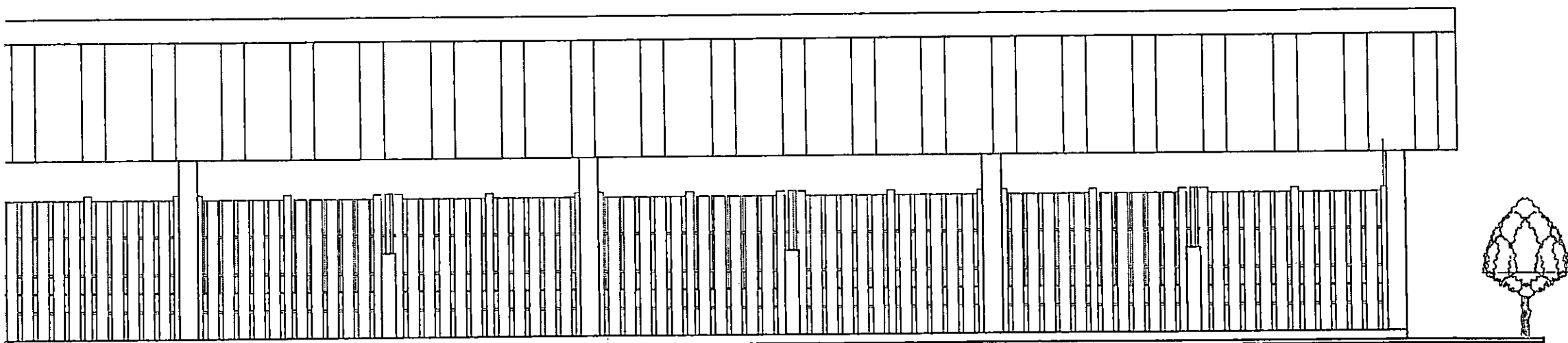
DESIGN AND SUPERVISION AND DEVELOPMENT	CLIENT: LIFIDEP BP 142 Bamenda Tel: +237 33 36 16 61 Email: lifidepnwr@gmail.com	CONSULTANTS: JV ORICAA/Teamwork Global Associates PO BOX 691 Bamenda Tel: +237 677 755 607/696 737 146 Email: oricna_nwrcan@yahoo.com	Conceived by Drawn by Check by Scale Date	CHIA ISAAC WAKIDA JV ORICAA TEAM 1:100 APRIL 2020	SHEET NO LO3
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SECTION A.A

<p>FD FISHERIES AMEROON</p>	<p>CLIENT: LIFIDEP BP 142 Bamenda Tel: +237 33 36 16 61</p>	<p>CONSULTANTS: JV ORICAA/Teamwork Global Associates PO BOX 691 Bamenda Tel: +237 677 755 607/606 7</p>	<p>Conceived by Drawn by Check by</p>	<p>CHIA ISAAC WAKIDA JV ORICAA TEAM</p>	<p>SHEET NO LO4</p>
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BUILDING FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF THE PASTURE IMPROVEMENT DEMONSTRATION CENTER



FRONT VIEW

ENGINEERING AND
LIVESTOCK AND FISHERIES
REGION OF CAMEROON

CLIENT:
LIFIDEP
BP 142 Bamenda
Tel: +237 33 36 16 61
Email: lifidepnwr@gmail.com

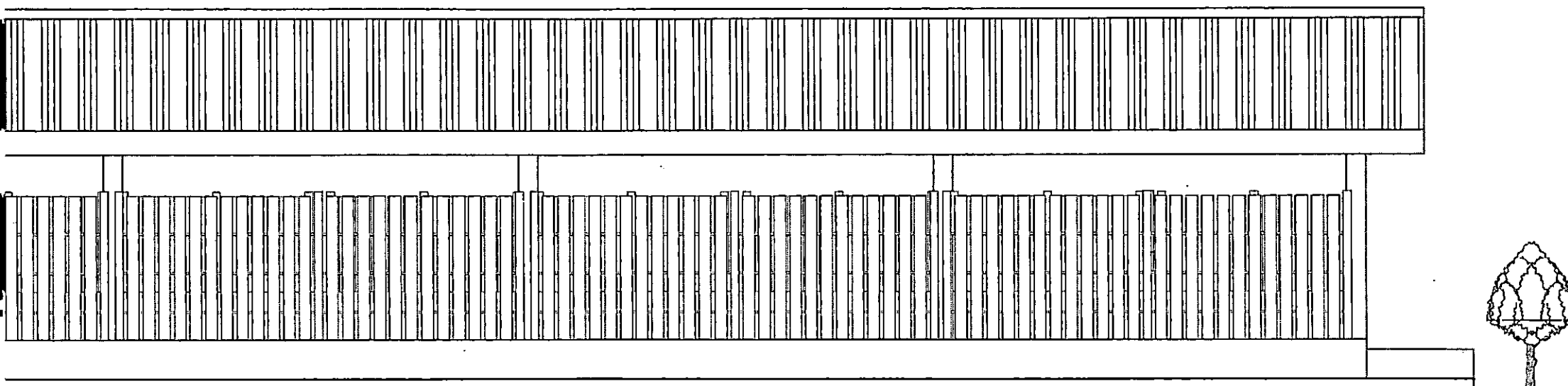
CONSULTANTS:
JV ORICAA/Teamwork Global Associates
PO BOX 691 Bamenda
Tel: +237 677 755 607/696 737 146
Email: oricaa_nwrcam@yahoo.com

Conceived by
Drawn by
Check by
Scale
Date

CHIA ISAAC WAKIDA
JV ORICAA TEAM
1:60
APRIL 2020

SHEET NO
LO5

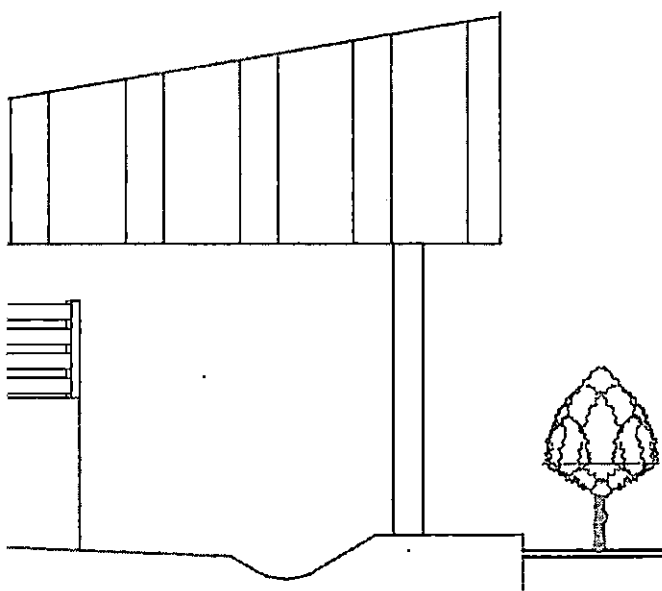
BUILDING FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF THE PASTURE IMPROVEMENT DEMONSTRATION CENTER



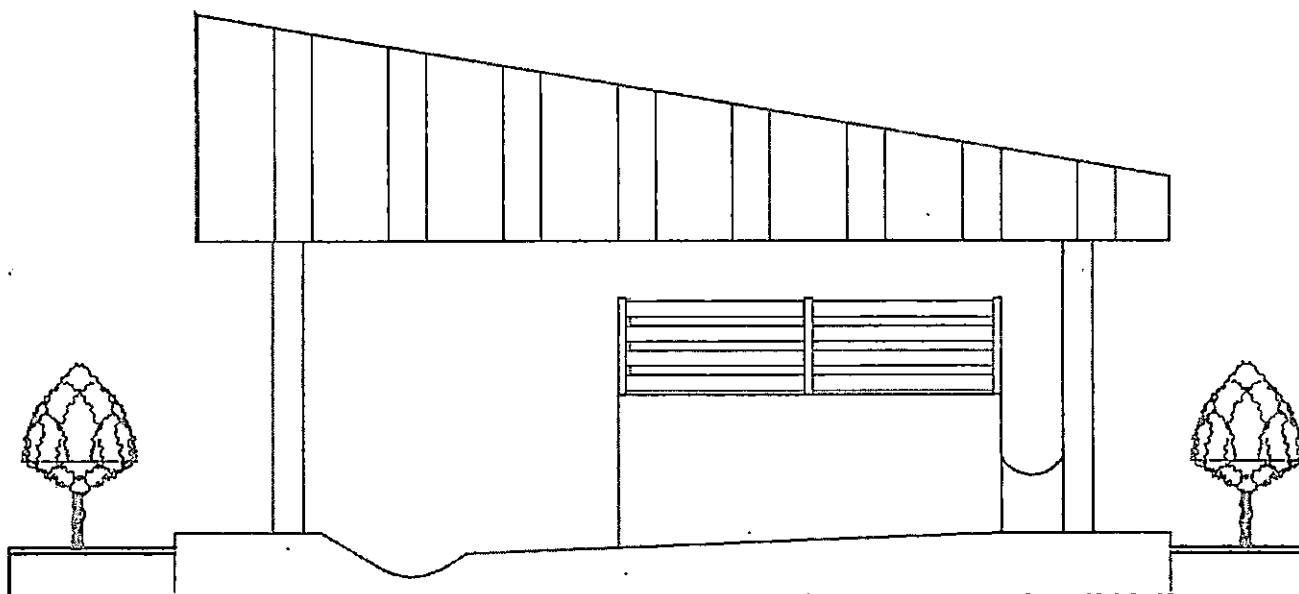
REAR VIEW

<p>MINISTRY OF AGRICULTURE AND FISHERIES OF CAMEROON</p>	<p>CLIENT: LIFIDEP BP 142 Bamenda Tel: +237 33 36 16 61 Email: lifidepnwr@gmail.com</p>	<p>CONSULTANTS: JV ORICAA/Teamwork Global Associates PO BOX 691 Bamenda Tel: +237 677 755 607/696 737 146 Email: oricaa_nwrcam@yahoo.com</p>	<p>Conceived by Drawn by Check by Scale Date</p>	<p>CHIA ISAAC WAKIDA JV ORICAA TEAM 1:60 APRIL 2020</p>	<p>SHEET NO LO6</p>
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FOR OXEN AND TOOLS FOR THE OPERATIONALIZATION OF THE PASTURE IMPROVEMENT DEMONSTRATION CENTER



VIEW



RIGHT VIEW

ENGINEERING AND LIVESTOCK AND FISHERIES REGION OF CAMEROON	CLIENT: LIFIDEP BP 142 Bamenda Tel: +237 33 36 16 61 Email: lifidepnwr@gmail.com	CONSULTANTS: JV ORICAA/Teamwork Global Associates PO BOX 691 Bamenda Tel: +237 677 755 607/696 737 146 Email: oricaa_nwrcam@yahoo.com	Conceived by Drawn by Check by Scale Date	CHIA ISAAC WAKIDA JV ORICAA TEAM 1:50 APRIL 2020	SHEET NO LO7
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