

Tender Document

ReF. No: SSD/52142/137

Construction of

Namutina Maternity Wing Building at Namutina Payam in Nagero County

At Namutina Payam

Nagero County

Western Equatoria State

Republic of South Sudan

November 2016

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1.

2. INVITATION TO BID

Dear Sir/Madam,

Subject: Procurement of Civil Works for the Construction work of Namutina Maternity wing building at Namutina Payam in, Nagero County-Western Equatoria State, Republic of South Sudan

1. We hereby solicit your bid for the civil works at the above- mentioned site.
You will find details in Bills of quantities.

2. To enable you submit a bid, please find enclosed:

Annex II Invitation to Bid and Declaration of Suppliers

Annex II Instructions to Bidders

Annex III Form of Bid, Qualification, Information, and Letter of acceptance and agreement samples

Annex IV General Conditions for execution of works

Annex V Special Conditions/Requirements

Annex VI Technical specifications including scope of work

Annex VII Bid submission form

Annex VIII Price schedule including Bills of Quantities

Annex IX Bidders experience form

Annex X Model contract for works

Annex X Drawings

3. Interested Bidders may obtain further information at the following address:

Contact person:

Logistic officer,

Johanniter South Sudan

Tel +211(0)955184987

Email: Luate.morris@thejohanniter.org

Or

Finance, Admin and Finance Officer

Johanniter Nagero field office

Tel +211(0) 955839153

Email: Asiki.issac@thejohanniter.org

Bids must be delivered to the Johanniter Yambio Office, Johanniter Juba Office, Johanniter, Tambura Office or the Johanniter Nagero Office before **13th December 2016 at 12:00 noon**. Late bids shall be rejected.

4. This letter is not to be construed in any way as an offer to contract with your firm.

Sincerely,

Florence Lukhumwa
Program Coordinator
Johanniter South Sudan

3. INSTRUCTIONS TO BIDDERS

2.1. Description of Project

The project includes the complete Construction of Namutina Maternity wing in Namutina Payam in Nagero County as per BOQ, specifications on the drawings and section 14.

2.2. Language and law

The language used in this bid shall strictly be English. Applicable law in contract in the contract execution is the law of the country- Republic of South Sudan.

2.3. Definitions

The employer (or “client”) is the Johanniter South Sudan and the supervisor is the Construction Engineer, Johanniter South Sudan.

2.4. Advance Payment

There shall be ***no advance payment*** to any firm in this contract. Successful bidder will be paid per ***completed measured work as per stages agreed***. The contractor therefore will be expected to pre- finance the agreed stages.

2.5. Approval of works

All works shall be approved by the supervisor or his representative and that delegation of duty shall be notified to the relevant party in advance.

2.6. Delivery of bid

All bid documents must be registered by the office mentioned above where bids can be submitted. Photocopied bids outside the official ones shall not be recognized. Bids marked “**Confidential – Construction works of Namutina Maternity wing in Nagero County**” shall be delivered by hand or post. The envelope shall carry the identification mark of the bidder. Bid must be received not later than **12:00 noon , 13th, December 2016**. This date may be deferred by written notice to all parties concerned by the employer’s representative.

2.7. Inspection of site

The bidder is ***advised to visit and examine the site(s)*** of works and its surroundings and obtain for himself, at his own expense, all information that may be necessary for preparing the bid and entering into contract. The bidder shall be fully responsible for the reliability and accuracy of all information so obtained.

2.8. Access to site

The employer shall give possession of site to the contractor after duly signing the contract. The start date for construction shall be the date on the commencement order.

2.9. Selection criteria for contract award

Conditions on which contractor selection will be based are provided below.

PLEASE NOTE THE UNDERLINED ITEMS MUST BE INCLUDED WITH THE BID.

- Ability to undertake works (mobilize equipment, material and labor) without any advance payment. Bid should include a signed commitment letter to this effect. Bid should also include a list of available equipment and technical personnel. See Section 13 "Contractor Resources and Schedule" for templates.
- Further ability to undertake works without advance payment shown by provision of copy of bidders up to date bank statement
- Quoted Material and labor costs (as per provided schedules). Competitive costs will be preferred. Bid must include a completed Bill of Quantities (BOQ) priced for materials, transport, labour and contractor overhead costs. The Johanniter may choose to supply some of the materials if it deems necessary and cost of such material supplied shall be deducted from the contractor's contract sum.
- Previous experience in similar works. Bid should include documentation of similar works including project name, site, financial magnitude, and complete addresses of contactable persons that funded/owned the project (s). See Section 13 "Contractor Resources and Schedule" for a template.
- Proposed detailed work schedule (in weeks) from start to finish; immediate start and early finish dates are preferred. Bid should include schedule. See Section 13 "Contractor Resources and Schedule" for a template.
- Bid should include a certificate of incorporation/registration from Ministry of legal affairs, trading/operational license from Ministry of Trade and commerce, Tax clearance certificate from the ministry of finance Government of the Republic of South Sudan.
- Knowledge of and willingness to abide by local laws and regulations in project areas by showing previous experience from these areas
- Bid should include a list of contractor's independent and reputable references with email addresses and /or tel numbers.
- Willingness to accept inclusion of stringent penalty clauses in contract such as reasonable defects liability period clause.
- Bid should include contractor's physical and telephone and/or email address contacts.
- Bid should include at least 2 passport sized photographs of the individual(s) that will be signatory to transactions related to the works advertised. In case no passport photos are available, please provide Identification card copies with photos on.

2.10. Contractor's general responsibilities

The contractor shall promptly inform the supervisor of any error, omission, fault and other defect in the designs of or specifications for the works which are discovered when reviewing the contract

documents or in the process of execution of the works. The contractor shall comply with the current government regulations with regard to the transport, storage, and safety of persons and property.

2.11. Changes in quantities

Any variation in the quantities as stated in the BOQ shall be notified to the supervisor in writing in case these quantities either exceed or are less than those quoted.

2.12. Details to be confidential

The contractor shall treat the details of this contract as private and confidential, save in so far as any be necessary for the purposes hereof, and shall not disclose the same or any particulars thereof else- where without the written consent of the employer.

2.13. Contract sum

Construction shall be **a fixed sum total contract**. The sum entered into the contractor's form of bid shall be the net amount for the execution of the contract. The **costs for materials, labour, transportation, overhead, government taxes and contractor's administration** should be built in the rates quoted in the priced BOQ. Johanniter shall not accept further negotiation after receiving the sealed bids.

2.14. Preference to local bidders

Local contractors within the project areas will receive a margin of preference of 10% in bid evaluation. They shall provide all the necessary evidence to prove that they are registered and competent and sound to carry out such works.

2.15. Award of contract

Bids shall be evaluated by Johanniter (tender evaluation committee). The contractor (s) whose bid has been accepted will be notified of the final award after a "no objection" to proceed from the Country Director and the HQ Berlin. The award approach will be on a "**total contract**" basis.

The contractor will be expected to handover substantially completed works as per drawings and technical specifications. Only those bidders that will qualify for award for contract will be contacted within 5 working days after bid opening.

2.16. Payment Modalities

Payment for work done will be on **a measure- and -pay basis**.

2.17. Payment for materials on site

No payments will be made for material on site during the assessments of work done for payment purposes.

2.18. Acceptance of Bid

The client, the Johanniter, is not bound to accept any bid. Johanniter is interested to receive a comprehensive and economic offer and is not obliged to select the supplier who offers the cheapest prize.

2.19. Clarifications

In case of need of clarification, contact the Program coordinator +211 (0) 0955252854 or the Finance, admin Manager +211 (0) 0956827685 between 8:00am and 5:00pm on working days.

3. FORM OF BID FOR CIVIL WORKS

To:

Bid for:

1. Having examined the bid document including work specifications, drawings and bill of quantities for execution of the above-named contract, I the undersigned authorized to sign bid for and on behalf of the below company hereby offers to execute, complete deliverables and remedy any defects in the whole works in conformity with the said document for the sum of United states dollars:

In words:

In figures: _____

2. We undertake, if our bid is successful, to complete and deliver the whole work comprised in the contract within _____ days from the date of commencement of the contract (site possession date).
3. The defect liability period shall be _____ days from the date of practical completion of the contract.
4. The bid shall remain a valid offer for the acceptance at any time up to _____ days from the date of submission unless previously withdrawn in writing to the Johanniter South Sudan Program.
5. We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ in the year _____

Signature: _____

In capacity of: _____

Name: _____

Duly authorized to sign bid for and on behalf of:

Name of Company: _____

Address of Company: _____

Physical Location: _____

4. Declaration of Supplier

Tenderers must submit this signed declaration to the effect that they are not in any situation established as grounds for exclusion in the Johanniter procurement guidelines.

DECLARATION OF SUPPLIERS

We _____ [company name] herewith declare that

- a) we do respect basic social rights and working conditions and condemn the exploitation of child labour;
- b) we are not bankrupt or being wound up, are not having our affairs administered by the courts, have not entered into an arrangement with creditors, have not suspended business activities, are not the subject of proceedings concerning those matters, and are not in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
- c) we have not been convicted of an offence concerning our professional conduct by a judgment which has the force of res judicata;
- d) we have not been guilty of grave professional misconduct;
- e) we have fulfilled all obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which we are established or with the Federal Republic of Germany or those of the country where the contract is to be performed;
- f) we have not been the subject of a judgment which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity detrimental to Johanniter's financial interests;
- g) following another procurement procedure carried out by Johanniter or another contracting authority, we have not been declared to be in serious breach of contract for failure to comply with our contractual obligations;
- h) we are not subject to a conflict of interest with regard to this tender;
- i) we are not guilty of misrepresentation in supplying the information required by Johanniter as a condition of participation in the contract procedure.

Date & Signature

Name in printed letters

Name of company

Stamp

5. General conditions of contract

5.1 Definitions

The employer (or “client”) is The Johanniter South Sudan program and the supervisor is the Construction Engineer, Johanniter South Sudan program.

5.2 General

Drawings and all schedules shall be read in conjunction with technical specifications.

5.3 Location

The location and orientation of the construction facility shall be determined on site together with the County Health Department (CHD), County Infrastructure department and Johanniter international Assistance technical team based in the field.

5.4 Supervision of the works

The execution of the work is to be supervised by the employer’s appointed supervisor. The appointed supervisor may at his discretion appoint a representative to monitor and supervise the work at the proposed site.

5.5 Workmanship

The contractor is expected to carry out all the works as instructed by the supervisor.

5.6 Approval of the works

All works shall be approved by the supervisor or his representative with a team from the CHD and that delegation of duty shall be notified to the relevant party in advance.

5.7 Equipment and materials

The contractor shall mobilize all necessary materials, equipment and labour to carry out the works as specified in the technical specifications, drawings and Bill of Quantities (BOQ). The supervisor shall verify all materials, equipment and labour mobilized by the contractor. Acceptance by the supervisor of the contractor’s equipment and labour does not, however, relieve the contractor of his obligations under the contract.

5.8 External works

The contract includes the work external to the construction facility. This includes site clearance and storm water drainage channels related issues where applicable.

5.9 Changes in Quantity and Contract Time

Any variation in the quantities as stated in the BOQ shall be notified to the supervisor in writing in case these quantities are exceeding or less than those quoted. The schedule of work will be adhered to when implementing the work. In case some extensions are required, the client is the

only one to approve, in writing, extension of work schedule. All contractor requests for changes in contract time must be submitted in writing.

5.10 Termination of Contract

The employer or the contractor may terminate the contract if the other part causes a fundamental breach of contract. Fundamental breaches of contract shall include, but shall not be limited to the following:

- The contractor stops work when no stoppage of work is shown on the current schedule, and the stoppage has not been authorized by the supervisor.
- The supervisor instructs the contractor to delay the progress of the works, and the instruction is not drawn within 15 days.
- A payment certified by the supervisor is not paid by the employer to the contractor within 30 days from the date of the supervisor's certificate.
- The supervisor gives a notice that failure to correct a particular defect is a fundamental breach of contract, and the contractor fails to correct it within reasonable period of time determined by the supervisor.

Notwithstanding the above, the employer or the contractor may terminate the contract for convenience after giving a seven days prior notice to either party.

6. Delayed Payments

The contractor shall be entitled to payment upon submission of completed works and services approved by the supervisor within 30 days beyond which the client shall be liable to pay interest on the amounts due at the prevailing commercial rates.

6.1 Penalty Clause

1. The contractor must adhere to the proposed/approved schedule of works. Any delays will be penalized at a rate of **USD.100.00** for every day of the delay. Delay of the works beyond 10 (ten) calendar days will lead to contract termination.
2. In the event of termination of the contract; the contractor will be paid for verified and valued works at a surcharge of 5% of the total valuation.
3. Work specifications must be implemented as detailed in the technical drawings and any other attached information schedules. **Any substandard work shall be rectified / remedied by the contractor at the contractor's cost within 7days of date of inspection by the client.** Failure to rectify/remedy shall lead to automatic termination of the contract.

Nothing herein contained shall prevent the client from taking such other lawful action as necessary to remedy ANY breach by the contractor.

7. Obligation of the Contractor

- a) The Contractor shall be responsible for the provision of materials (if included in the signed contract), tools, transport, technical and support equipment, storage facilities and accommodation and food for his/her staff.
- b) The Contractor shall take all necessary precautions to ensure the security and safety of works, materials, equipment and people associated with the works.

- c) The Contractor shall indemnify and render the Organization free and harmless from and against any action for losses, damages, liability in whatever form and nature, orders for payment of sums of money, suits or threats thereof, actions and judgments of any kind arising from any act or omission on the part of the Contractor, its agent/s and or employee/s, in the execution of the work or as a result of their negligence or carelessness on the job or within the Work of the job site.
- d) The Contractor will observe the terms of this agreement including annexes.
- e) The Contractor will observe all Labor Laws with respect to safety standards, Labor hire and Workers Compensation in Republic of South Sudan and shall be solely and fully accountable for any accident and or injury of any of its employees during the term of this Contract.
- f) The Contractor shall be liable for any death or injury to the contractor's personnel.
- g) The Contractor should ensure that all local taxes in Republic of South Sudan such as certificate of registration to Ministry of legal affairs, trading license to ministry of Commerce and trade and Tax clearance from Ministry of Finance are up to date. The Contractor shall keep the Client indemnified against all fines, penalties and losses incurred by reason of any breach of this clause.

8. Obligation of the client

- a) The Client shall ensure, by liaising with local authorities, that the roads/sites are accessible by the Contractor in order for him/her to execute the works in record time.
- b) The Client will supervise works during implementation to ensure that specified technical details and work standards are adhered to by the contractor.
- c) The Client will meet financial obligations due to the Contractor as a result of valuated and certified works.
- d) The client deserves the right, at any time to inspect the site and carry out any necessary test.
- e) The Client reserves the right to inspect the work, while it is in progress, so as to give the Client the opportunity to reject the whole or any portion thereof, which in the opinion of Client's representative is defective or substandard.
- f) Unless otherwise advised by the Client in writing, all Project reports and other issues arising under this Contract shall be addressed to the Clients Construction Engineer.

9. Pre construction Meeting

Contractor is expected to attend an on-site pre- construction meeting at the start of construction to review project drawings, technical specification and contract requirements to clear doubts on unclear issues regarding the contract.

10. Dispute/Conflict Resolution

The parties to this agreement shall use all possible means to amicably resolve any disputes that may arise in the course of execution of this contract. Any disputes that cannot be resolved by the parties shall be resolved through arbitration and when this is not possible, through courts of Law of Republic of South Sudan.

11. Mode of Payment

- 1. The client, according to bills/invoices of materials and labor, shall make stage payments after completion of works per stage agreed. The client's supervisor will verify the stage completed works and, if satisfied, issue a certificate of practical completion for each stage before payment is effected for that completed stage.

2. The client will withhold a retention fee of 10 % of the invoice paid until **6** months elapses to allow the client to observe for any defects in works. In case defects are observed in this period, the contractor will be required to make them good before the retention fee can be paid out.
3. All payments shall be in United States Dollars.
4. Submission of invoices is contingent on the issuance of a final certificate of practical completion prepared by the client's supervisor at the field level.
5. Final Payment of cumulative 90% shall be made after submission of works completion report by the contractor, the final invoice and final certificate of practical completion.
6. Payment of the retention fees is done after no defects certificate is issued by the client's supervisor after a joint site verification visit with the CHD.

11.1 Materials

All construction materials shall be provided by the contractor to carry out this construction activities. The contractor is expected to handle supplied materials with care to avoid loss of material on site and to carry out the works professionally without any material wastage.

11.2 Clearing site

On completion of the construction facility the site must be left clean and free from all debris, and the surrounding area leveled to the satisfaction of the supervisor. All rooms must be washed clean before handover.

11.3 ANNEXES

It is hereby agreed that this Contract/Agreement shall be read together with the technical drawings, schedule of labor costs, and schedule of works, which are the basis of this contract.

12. FORCE MAJEURE

The Contractor acknowledges that there are risks and dangers of monetary inflation, injury, disease, illness, and or death in the Republic of South Sudan that are beyond The Johanniter's control. These risks include but are not limited to price inflation, acts of terrorism or war and serious injury, disease, illness or death resulting from circumstances and conditions in the country where works will take place.

Johanniter does not and will not assume any liability for these risks. Participation in this short-term agreement between The Johanniter and the Contractor is contingent upon the Contractor's assumption of these risks, and subsequently indemnifying The Johanniter from any claims.

13. BILL OF QUANTITIES (BOQ)

13.1 Preambles to Bill of Quantities

The quantities stated against each item Bill of Quantities (BOQ), with the exception of those items specifically marked principal sum, are the estimated quantities of the works to be executed by the contractor in fulfillment of his obligations under the contract.

The contractor is required to check the numbers of the pages and should any be found to be missing or in duplicate he must inform the supervisor at once and have the same rectified.

No liability whatsoever will be admitted or claim allowed in respect of errors in the contractor's bid due to mistakes in the BOQ which should have been rectified in the manner described above.

The contractor shall not alter or otherwise qualify the text of the BOQ. Any alteration of qualification made without authority will be ignored and the text of the BOQ as printed will be adhered to.

Each item in the BOQ is to be priced, or if any items are left not priced it will be assumed that the value of the work described thereafter is elsewhere allowed for. The prices and rates to be inserted in the BOQ are to be fully inclusive of all costs and expenses which may be required for the construction of the work described, together with all general risks, liabilities and obligations set forth or implied in these documents.

The contractor shall be deemed to have made allowances in his prices generally to cover additions to provisional sums or other items, if these have not been priced against the respective items.

In no case will any expenses incurred by the contractors, in preparation of this bid be allowed.

SUMMARY SHEET FOR THE BILLS OF QUANTITIES, COST ESTIMATES AND MATERIAL SCHEDULE FOR Namutina Maternity Wing Construction works and Building

#	Summary Bills Of Quantities					Cost Estimate		Summary Totals
	Descriptions	Units	Quantity	Rate (SSP)	Amount (SSP)	Rate (USD)	Amount (USD)	USD
1	Preliminaries							
	Mobilizations of plant, materials, labour, form work, setting out works, provide for material storage and false work etc including water for general purpose to the site to effectively start and complete the works		Lumpsum					
2	Excavation Works							
	Excavate Foundation footing of width 690mm to a minimum depth of 600mm including splash apron and column base excavations as required by engineering rules and regulations provisions in engineering code of conduct and in the design	m ³	27.6					

	Ditto, return fill and ramp in layers approved excavated soil to foundation footing as required by the engineering specifications and regulations	m ³	13.8					
	Backfill to foundation, floor area using gravel pack approved marram soil, well compacted and ready to receive hardcore as per engineering rules, regulations and practice	m ³	13.8					
	Place and compact hardcore to level it and fill all gaps on it with fine sand material ready to receive concrete oversite as specified.	m ³	47.3					
3	<u>Concrete works</u>							
	Cast plain concrete 230mm thick, of mix 1:3:6/20 to strip foundation, as specified and required. Cure with approved quality of water	m ³	10.8					
	Ditto to 50 mm thick splash apron	m3	0.9					
	Ditto but to 100mm thick concrete oversite well compacted, levelled and finished rough as required	m ³	23.9					
	Ditto but to RC Beams and lintels	m3	3.9					
	Ditto but to reinforced concrete pad foundation 200mm thick 600mmX600mm, reinforced concrete column of diameter 200mm and reinforced concrete beam of 200mmX200mm, 1:2:4/20 mix of size as specified on technical drawings	m ³	0.3					
	Ditto but to RC Columns	m3	0.5					
	Y12 reinforcement to concrete i.e. Columns, Beams and Column pad	No	42					
	R6 stirrups	No	32					
4	<u>Brick work</u>							
	Build walls to plinth wall 230mm thick English bond in 1:4 cement sand Mortar to foundation footing walls as required	m ²	72					
	Ditto but to 100mm thick splash apron walls	m2	27.04					
	Ditto but to the 230mm thick super wall	m ²	181					
5	<u>Roofing works</u>							
	Fabricate roof truss as the main structural framework for roof							
	Rafters and tie beam (under	m	111.5					

	chord)2"X6"							
	ties and struts 2"X4"	M	37.5					
	Wall plate 3"X4"	M	60					
	Purlins 2"X3"	M	297					
	Fascia Board 1"X10"	M	60					
	GIRS G 28 green prepainted and fixed with nails to the purlins	m ²	230					
	Ditto but to GIRC	M	10					
	Ditto but to GIVG	M	40					
	Ditto but to water Gutters	M	52					
6	Ceiling works							
	Joists to ceiling frameworks 2"X4"	M	191.3					
	Branderings to ceiling frameworks 2"X2"	M	191.3					
	Wall bearers to ceiling frameworks 2"X4"	M	128.0					
	Expanded metal lathe to ceiling framework	m ²	105.8					
	Cement sand mortar to ceiling framework and finished as per the design provided	m ²	105.8					
	Provide for the access manhole to the ceiling	No	3					
7	Electrification, Plumbing and Drainage works							
	Electrical wiring installation							
	Provide and Install MK Boxes to switch and socket outlet points	No	12					
	Provide and install switches to MK boxes	No	7					
	Provide and Install Socket Outlets to MK Boxes	No	6					
	Provide and install PVC conduits of size 1/2" diameter to wiring as necessary per specifications	Pcs	17					
	Provide and install PVC conduits of size 3/4" diameter to wiring as necessary per specifications	Pcs	26					
	Provide and install Lightning Conductor complete with all its accessories to function perfectly as necessary	No	1					
	Internal Plumbing							
	None							
	Human Waste management							

	Construct 1 block of 3 stances VIP Latrine as per the design provide to manage human waste at the facility	No	1					
8	Fittings and Finishes							
	25mm thick 1:3 cement sand Plastering to internal walls	m ²	334.00					
	Ditto but to External walls	m ²	131					
	Ditto but to the floor screed	m ²	157.0					
	Fix 300mmX300mm white ceramic floor tiles to floor bonded in cement sand mortar and joints finished with white cement	m ²	157.0					
	3 coats painting to internal walls- off white oil paint	m ²	334.00					
	Ditto but to External walls- off white on upper side above 1.5m above dpc and the bottom 1.5m red water proof type	m ²	131					
	3 coats painting to ceiling- off white water paint	m ²	157.0					
	Windows							
	1500mm X 1100mm Horizontal sliding, metal frame with glass panes & mosquito netting and burglar proofing on the external side including good quality locking facility	Pcs	8					
	900mm X 1100mm horizontal pivoting with lower half part opening inside used for dispensing drugs and metal panes without glass, provided with good locking system from inside as required	Pcs	1					
	900mm X 600mm metal louvered windows to the drug store to provide sufficient ventilation as required by the drug storage regulations and covered with mosquito netting as necessary	Pcs	2					
	Doors							
	900mm X 2100mm Panel doors of high quality and fixed to timber frames using 3 No 4" but hinges including good quality locking facility	Pcs	8					
	Grand Total Cost for the project							

Grand Total for construction of Namutina Maternity Wing Building at Namutina Payman in Nagero County _____ USD

Note: Grand total should include for all costs associated with the construction including but not limited to company overhead, labor, materials, transport and 10% withholding tax on services. Contractors are advised to familiarize themselves with the site location in order that they may know the cost of transport.

14. CONTRACTOR RESOURCES AND SCHEDULE

1. Proposed work program for construction
2. Projects undertaken
3. List of Technical Personnel
4. List of Equipment

14.1 PROPOSED WORK PROGRAM FOR THE CONSTRUCTION OF THE NAMUTINA PAYAM , MATERNITY WING BUILDING IN NAGERO COUNTY- REPUBLIC OF SOUTH SUDAN

Date of commencement: _____

Date of completion: _____

Contract Duration (Calendar Days): _____

Work plan for Construction Namutina Maternity Wing Construction Building at Namutina Payam in Nagero County- Republic of South Sudan

S/N o.	Description n of the Activities	Unit	Qty	Duration in weeks																			
				December				January				February				March				April			
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Preliminary works																						
2	Excavation works																						
3	Concrete works																						
4	Block Works																						
5	Roof works																						
6	Ceiling works																						
7	Fittings and Finishes																						
8	Provide and put in place plumbing systems to the building as required and specified																						
9	Provide and put in place Electrical systems to the building																						



	as required and specified																								
10	Site Handover																								
	Grand total Duration for the project																								

14.2 PROJECTS UNDERTAKEN

S/n	Project Name	Site	Financial Magnitude	Contactable Persons that Funded Project (Include EMAILS AND Tel Numbers)

14.3 LIST OF TECHNICAL PERSONNEL

Name and contact tel numbers and/or email address of key company staffs	Position in the company/ project	Personnel details (Qualification and Experience)

14.4 LIST OF EQUIPMENT

Equipment	Qty	Make	Remarks (owned or to be hired)

15. TECHNICAL SPECIFICATIONS FOR CONSTRUCTION OF Namutina Maternity Wing in NAGERO COUNTY REPUBLIC OF SOUTH SUDAN

15.1 Site Clearance and excavation works

- Setting out should be carried out by an experienced and qualified personnel and all critical checks such as diagonals for rectangular and square building structures to ensure accuracy of the setting to minimum error tolerance of 3mm. Recommended sisal or other approved strings with minimal accepted elasticity should be used for this purpose.
- All setting out works must be checked by the supervisor before construction works can proceed to ensure that contractor delivers construction works as specified on drawings

15.2 Concrete construction and Backfilling works

- Prepare and cast plain concrete 1:3:6/20 to leveled bottom foundation strip to minimum depth of 600mm as required
- Ditto but to splash apron foundation but of thickness 100 mm
- Ditto but to concrete over site of thickness 100 mm. This shall be finished with tiles.
- Prepare and cast 200 mm thick reinforced concrete (mix 1:2:4/20) ring beam as per the specifications of the Engineer, well compacted with a poker vibrator or rammer and cured for minimum 21 days. Note that the beam must cover all the internal partition walls since the beam level is at 2400mm above DPC.
- 4Y12 or 4T12 approved reinforcements to be used as shown on the drawings, secured in position using the 6mm Y6 stirrups bound together with tie wire (binding wire)
- Ditto but to window seal using wire mesh
- Backfill approved Soil to foundation in layers not exceeding 150 mm thickness. Compact properly and if the approved soil (marram) is very dry, add optimum water to the soil mix well and then compact to achieve maximum dry density.
- Place and compact hardcore stones of fine grain texture of extrusive parent rock to level it. Fill the gaps between the stones with fines from sand and crushed stones so that a lot of concrete liquid part does not escape through them.

15.3 General walling works

- Supply class 1 cement sand blocks (1:3 cement-sand mix) of size 6"X8"X16" and build 150mm thick walls in English stretcher bond in 1:3 cement sand mortar to plinth wall. All walls must be well plumbed to allow for vertical transmission of the loads to the foundations as per engineering requirement.
- Ditto to 150mm thick 6"X8"X16" size cement sand blocks
- The built walls must be cured regularly so that the mortar used for bonding attains maximum strength as per the design.

15.4 Roofing, ceiling, Finishes and Fittings

- All timber used for the roofing must be treated using approved wood preservative before starting their fabrication.
- Fascia boards and timber for the door frames must be machine sawn so as to achieve high quality workmanship. Door frames must be rebated as required and solid flash doors of the appropriate sizes hanged to them using approved 4" but hinges. Door locks must be of approved type and high quality Union three lever locks.

- Roofing sheets must be of gauge 28 corrugated galvanized iron roofing sheets. This also applies to the ridge caps and gutters.
- All Roof trusses must be securely tied to the pole plate timbers and hence the stanchions using R6 stirrups or hoop iron so as to avoid any uplift due to strong winds in the future. Purlins must also be securely tied up using the hoop iron to the trusses to avoid the same.
- Secure 2"X2" timber framework to the front open area at the waiting area at 1200 centres to form a grid
- Ditto but to 2"X4" timber framework as above to form the main framework
- Place and secure the mosquito wire mesh to timber framework so as to form a vertical surface.

Paint all wall surfaces with oil paint. Fascia boards should be painted white with oil paint. All paintings should have three coats of applications beginning with the undercoat.

15.5 Landscaping

Landscape and remove debris from the site after the completion of the construction works to leave the site clean enough for use by the client. This includes washing of the rooms and clearing the grown grass around the structure. Note that special access routes to the building must be cleared to allow easy access.

16. DRAWINGS and specifications see attached

(See attachments)