

SCOPE OF WORK

DETAILED SCOPE OF WORK FOR THE RENOVATION OF KODOK SECONDARY SCHOOL IN FASHODA COUNTY, UPPER NILE STATE, SOUTH SUDAN.

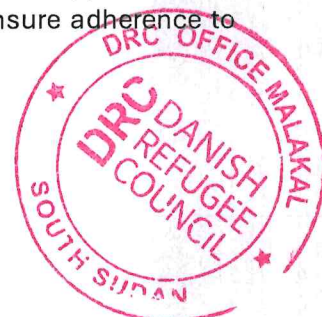
1. Introduction

The Danish Refugee Council (DRC) is a humanitarian, non-governmental, non-profit organization founded in 1956 that works in more than 30 countries throughout the world. DRC fulfills its mandate by providing direct assistance to conflict-affected populations – refugees, internally displaced people (IDPs) and host communities in the conflict areas of the world; and by advocating on behalf of conflict-affected populations internationally, and in Denmark, on the basis of humanitarian principles and the Human Rights Declaration. For further information about our projects please visit our website <http://www.drc.dk>.

Danish Refugee Council South Sudan, in Malakal field office would like to invite eligible vendors to submit their proposal(s) in form of quotation, bill of quantity, and technical drawing respectively for **renovation of Kodok Complex Secondary School in Fashoda County, Upper Nile State.**

2. General terms

- The selected contractor is strongly encouraged to visit the project site in advance to perform this work. This is to make him familiar with the site conditions and ensure his quotation is as realistic as possible.
- The selected Contractor will have strong experience in developing and analyzing critical path scheduling, reinforcement work and concrete work, working in a volatile security environment and working in site with minimum access during rainy season.
- The contractor should execute works according to the method statement (comprises of the technique, sequence of activities, physical requirements) and plan for the completion of the structure in a safe environmental management plan and quality control measures for the successful completion of the project.
- The contractor should employ engineering services for all construction works.
- The contractor should verify that all measurements are as indicated on the approved plan, architectural drawings (as prepared by DRC).
- The contractor should notify DRC, with any discrepancies immediately.
- The Contractor is responsible for the safety of the site.
- The contractor is responsible to keep a clean and safe construction area at the end of each work day.
- The contractor is responsible of supplying all required materials, labors, equipment, and tools to perform all operations necessary for the building of structures specified by the contract drawings.
- The Contractor should ensure that construction works adhere to standard and quality as per DRC design and international building codes. It is the responsibility of the contractor to ensure Construction materials meet the requirements of the accepted and approved DRC standards. DRC staffs will regularly monitor the construction work to ensure adherence to quality and specifications.



- The price quoted included labor and Materials cost required to deliver the objective. Any assistance required by the contractor from DRC is at DRC discretion. Such assistance if agreed might include a cost calculated based on DRC internal procedure.
- Transport and storage of construction materials, equipment and any machinery are the sole responsibility of the contractor and should be kept in an orderly way.
- The contractor has to submit a construction schedule and the sequence of work with the bid.
- Once contracted, no change to the schedule shall be authorized other than in force majeure as describe in the contract.
- The contractor should ensure that the list of professional staffs and subcontractors with his bid remain the same.
- The site manager should have relevant experience and be organize to ensure maximum efficiency of work.
- The construction should be completed in the scheduled period of time as indicated in the bid.
- The contractor should provide photography of different construction phases on a regular base for DRC site engineer.

3. Technical specification

All works shall be compliant with the descriptions in the statement of work and Bills of Quantity to meet the following main completion status. All materials to be used must have international standards print for example, ISO (International Organization for Standards) on them to qualify to be used except local materials like bricks but must be of a standard size.

a) Site Clearance, Excavation and Sub-Structure:

- As this is renovation works, site clearance shall only be after the works and shall be the sole responsibility of the contractor to ensure that the work area is left clear and organized. All construction waste/debris must be deposited at a location specified by the local authorities.
- Excavation around the existing splash apron, and keep it free from water as specified in the BoQ.
- Supply, lay and join burnt clay bricks as plinth wall of 200mm thickness burnt clay brick masonry, well bedded and jointed in cement and sand mortar 1:4 reinforced with hoop iron after every 3 alternate courses and DPC placed to reduce dampness and capillarity effects.
- Import (Supply), spread, level and compact approved murram (share sample prior to supply with the DRC Engineer) in layers not exceeding 150mm to ensure achieving the required Maximum Dry Density (MDD).
- Place 50mm thick PCC as blinding for the brick masonry and splash apron slab if in-situ concrete ratio 1:5:10 and then receive a final 25mm cement mortar screed (1:4) to obtain a smooth cement slurry "Nirro".
- Hack-off existing floor screed and top of slab to ensure sufficient bonding between the new floor slab and the old one.
- Concrete slab must receive cement sand ratio Screeding and achieve a smooth final cement slurry "Nirro" using a steel float to ensure a smooth floor to DRC Engineer's satisfaction.
- Provide a gentle sloping ramp to cater for people with Special needs (PSN), elderly and vulnerable who may not be able to use the apron side.



b) Walling

- Contractor to hack off cracked, unstable and loose cement plaster in all the building (internal and external) to receive a new reinforced cement mortar plaster.
- Supply and lay approved local burnt clay bricks masonry of 200mm wide wall bedded and jointed in cement mortar of mix 1:4 and reinforced with hoop iron every 3 alternate courses for wall sections damaged.
- Use well-seasoned hardwood timber to implement all the woodwork of specified sizes in the detailed BoQ, treated against termites and infestation by any defect.
- Use rust free welded mesh G10 for ventilations nailed on the woodwork, nails will have to be nailed and bent like U-nails.
- Brick walling must receive a standard pointing to protect the wall from severe/extreme weather conditions and aesthetics as well to the satisfaction of DRC Engineer.
- Construct /fill up walling up to the roof level for all walls to prevent access of bats to the roof and to eliminate hiding places for bats.

c) Roofing

- Inspect the existing roof structures to identify any defect and rectify in coordination with the DRC Engineer.
- For the roof steel structural works, consider the BoQ for details but all should have ISO print to assure the quality. Steel surfaces must receive 3 coats of red-oxide gloss oil paint in fascial board and other steel surfaces.
- Observe a recommended standard side lapping of at least 150mm and end laps of 300mm where necessary.
- Carefully remove existing suspended ceiling works, clean all wastes for the bats and prepare it to seal all openings to prevent bats invasion.
- Cut off overlapping parts of the roof to avoid creating pockets for bats to hide. The joint between roof and veranda should just touch so that no space is created for bats.
- In consultation with DRC engineer, remove and replace all rusted and damaged iron sheet roof with similar roof material to match existing roof
- Install fascia board along the whole length of the building both front and back

d) Door & Windows

- Assess the existing doors and windows, identify items missing or with defects and rectify it to an equivalent of a new operational doors and windows involving paints as specified in the BoQ and to satisfaction of DRC Engineer.

e) Finishes

- To the reinforced plaster works, prepare and apply approved paints with ISO print of either Sadoline or Plascon brands with the colors to be provided by DRC and UNHCR, no contractor to use colour of their choice as stated in BoQ.
- Supply, fabricate and install a visibility sign post with respect to the artwork to be provided by DRC using ISO approved materials.

4. Site cleaning

At the end of construction works, the contractor should ensure that the site is clean and free of any hazard. All excess construction materials on site are to be removed and site left neat and tidy after completion of the works.



5. **Term of Payment**

- Payment shall be done after completion of work and as may be certified by DRC's engineer/focal person.
- Contractor shall be paid for only work done after joint measurement of the works
- Payment shall be through the bank account: contractor shall provide the account details.

