

GENERAL INFORMATION ON CWS INTERVENTIONS IN SOUTH DARFUR

The project T05-EUTF-HOA-SD-73-01 "Humanitarian Development Nexus: Strengthening a Decentralized Health System for protracted displaced population (HealthPro) in Al Fasher and Nyala - North and South Darfur States" foresees the implementation of an engineering/architectural component called: "HealthPro - Civil Works". During the project's initial phase, locations and types of buildings to rehabilitate and/or reconstruct were identified in consultation with the local authorities. Here below the list of buildings interested by this grant:

CODE	LOCATION	GRANT'S INTERVENTIONS
NY02	Ottash IDP Camp (12°5'47.30"N, 24°54'29.34"E)	<ul style="list-style-type: none"> • Rehabilitation
NY06	Ottash IDP Camp (12°6'21.92"N, 24°54'40.34"E)	<ul style="list-style-type: none"> • Rehabilitation
LHA and CPD	Nyala (12°6'56.68"N, 24°85'69.71"E)	<ul style="list-style-type: none"> • Design • Rehabilitation
AHS	Nyala (12°5'57.74"N, 24°87'55.05"E)	<ul style="list-style-type: none"> • Design • Rehabilitation

PRIMARY HEALTH CENTER “NY02” _ CONSTRUCTION WORK: OTTASH IDP CAMP, NORTHERN AREA OF NYALA, SOUTH DARFUR (12°5'47.30"N, 24°54'29.34"E)

NY02 Ottash Clinic is supported by NHIF.

The centre is located on the northern side of the city of Nyala, 17 minutes away from the city centre.

The compound has a perimeter of 172 m and a total internal area of 1,320 sqm.

About 141 sqm covered surface for the main building, and the toilet block.

The surrounding area of the clinic is densely populated. The location makes it easily accessible to the inhabitants of the IDPs camp of Ottash. The road to the clinic is quite rough.

The compound is composed of two blocks surrounded by a metal grid fence. Presence of 1 tanks of 3.000 L and 1 water tower of 1.000 L executed by UNAMID, UNICEF and WES in October 2019. Unfortunately, due to a pump damage, water does not reach the clinic rooms and water bottles are currently being used. A 420 V (0.42 kw) generator is available. Block A – 2 Medical consultation, 1 mix ward, 1 registration room, 1 lab, 1 pharmacy, 1 waiting area for a total surface of 133,65 sqm.

Block B – Toilets of 7,4 sqm.

To summarize, the planned interventions are:

- Cleaning and fencing of the area
- External rehabilitation of the existing
- Internal rehabilitation
- Extension of the existing building (Block A)
- Erections of new access ramps and masonry mastaba around the building
- Erection of new waiting areas



- Excavation and erection of absorbing wells and two new toilet blocks
- Erection of a new elevated water tank
- Erection of a new medical waste disposal area
- Erection of new fence and main gate
- Plumbing system and electrical power supply

To this scope, the Contracting Authority will provide the technical documentation already developed and approved by the AICS Technical Office and the Engineering Department of the South Darfur State Ministry of Health. It includes the assessment report and all the construction technical documentation including final drawings, technical report, timetable and BoQ. The same approved documentation with stamp and signature of the SMoH will be provided.

**PRIMARY HEALTH CENTER “NY06”_CONSTRUCTION WORK
OTTASH IDP CAMP, NORTHERN AREA OF NYALA, SOUTH DARFUR
(12° 6'21.92"N, 24°54'40.34"E)**

NY06 Ottash Clinic is supported by NHIF.

The centre is located on the northern side of the city of Nyala, 25 minutes away from the city centre. The centre is located next to the market entrance in a densely populated area.

The compound has a perimeter of 118 m and a total internal area of 856 sqm.

The total covered surface is about 114,56 sqm.

The compound is composed of four blocks surrounded by a metal grid fence:

- Block A – one women’s ward and one pharmacy of 72 sqm;
- Block B – one general practitioner room, one medical assistance room and one statistic room of 72 sqm;
- Block C – one laboratory and one male’s ward of 33,6 sqm;
- Block D – two toilets blocks of 4,3 sqm.



To summarize, the planned interventions are:

- Cleaning and fencing of the area
- External rehabilitation of the existing
- Internal rehabilitation
- Extension of the existing buildings
- Erections of new access ramps and masonry mastaba around buildings
- Erection of new waiting areas
- Excavation and erection of absorbing well and new toilet blocks
- Erection of a new elevated water tank
- Erection of a new medical waste disposal area
- Plumbing system and electrical power supply

To this scope, the Contracting Authority will provide the technical documentation already developed and approved by the AICS Technical Office and the Engineering Department of the South Darfur State Ministry of Health. It includes the assessment report and all the construction technical documentation including final drawings, technical report, timetable and BoQ. The same approved documentation with stamp and signature of the SMoH will be provided.

**LOCALITY HEALTH AUTHORITIES “LHA” and CONTINUOUS PROFESSIONAL DEVELOPMENT “CPD”_DESIGN and CONSTRUCTION WORK
NYALA, SOUTH DARFUR
(12°06'56.68" N,24°85'69.71"E)**

According to the SMoH's request, the Continuing Professional Development (CPD) should be located in the same plot as the Locality Health Authorities (LHA) offices, on the northern side of Nyala (20 minutes far from the city centre). Currently, the LHA building is composed of three offices with a veranda and a latrines block.

The compound has a perimeter of 165.54 m and a total internal area of 1554.34 sqm.

About 110 sqm covered surface for the main building and the toilet block.

The compound comprises two blocks and a courtyard (purposed area for CPD construction) surrounded by a fence. No electrical and plumbing systems are present.

The blocks consist of:

- Block A: three offices with veranda. The total area is 130.69 sqm
- Block C: 3 toilets with a total area of 6.60 sqm
- Block D: courtyard proposed for CPD (to be constructed).

The project entails the execution of works for rehabilitating the SMoH training centre and offices to adhere to their functions and comply with SMoH and CPD standards. Please refer to the attachment called "LHA and CPD_CWs Assessment Sheet", which provides the criteria for CPD design.

As there is no need to adapt to rules and regulations, which, to what we currently know, are not followed and/or existing, in drafting architectural, structural and engineering design, good standards must be adopted and rationally adaptable to the context derived from professional and work experience in third countries. It is worth highlighting that the local authority should approve all technical drawings before the work's implementation.

The project's sustainability must be taken into account during the design phase by minimizing the impact of the building on the environment in terms of materials, construction techniques used, aesthetics and energy performance through proper management of sources and use of renewable energy.

**ACADEMY OF HEALTH SCIENCES “AHS”_DESIGN and CONSTRUCTION WORK
NYALA, SOUTH DARFUR
(12°5'57.74"N, 24°87'55.05"E)**

The Academy of Health Sciences (AHS) civil works interventions involve laboratory, skill lab and latrines with a total covered surface of 106.94 sqm. The intervention area consists of three blocks:

- Block A (laboratory) has a total area of 30.14 sqm with a height of 2.88 m
- Block B (skill lab) has a total area of 45.94 sqm with a height of 3.15 m
- Block C (latrines) has a total area of 30.86 sqm. It can be divided in:
 - block C1 without wall and floor tiles
 - block C2 that presents the ruins of the demolition of the old latrine
 - block C3 with floor and wall tiles but not structurally safe and not used.

The latrines' plumbing system is a septic tank with a well located outside the Academy building.

Concerning the lab (Block A), they are using a local barrel as a source of water instead of a water tank, and there is no water pump and no power generator.

The electrical and sewage systems are very poor while the teaching rooms are too small.

The project entails the execution of works for rehabilitating the teaching facility to adhere to its functions. Please refer to the attachment called "AHS_CWs Assessment Sheet", which provides useful information on the current building status.

As there is no need to adapt to rules and regulations, which, to what we currently know, are not followed and/or existing, in drafting architectural, structural and engineering design, good standards must be adopted and rationally adaptable to the context derived from professional and work experience in third countries. It is worth highlighting that the local authority should approve all technical drawings before the work's implementation.

The project's sustainability must be considered during the design phase by minimizing the impact of the building on the environment in terms of materials, construction techniques used, aesthetics and energy performance through proper management of sources and use of renewable energy.