

# Lions Clubs International

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We Serve



NSR Council Meeting  
22 January 2022 - Agenda item 11.1

Responsible NSR Country: MD 106 Denmark  
Project Lead: PDG Knud Løkkegaard  
MD 106 IRC: PCC Søren Stensgaard

December 2021 Interim report on:

## ***NSR Project 2021-23 "To build a Pediatric Ward at Hera Village Hospital, Tanzania"***

The project period started 1 July 2021 based upon a decision taken at the 2020 NSR Council Meeting in Glostrup, Denmark.

According to the project plan and the budget presented as a part of the decision material in 2020, the NSR funding will cover the building project itself as well as medical equipment. For more information and details about the hospital and the project, see the decision material attached as appendix 1.

This interim report is made after less than half a year into the project period and will mainly focus upon 1) *progress in the building project* 2) *financial status* and 3) *potential impact due to the Covid-19 pandemic*.

### ***Progress in the building project:***

The building project is carried out with as much local craftsmanship as possible. Using local employees and craft-men is part of the core values in the project and as an example the building bricks are made and burnt at the building site. As an additional advantage, it is also the cheapest solution. The construction of the building that shall host The Pediatric Ward will be carried out in continuation of the establishment of a Male Ward. The Male Ward is not a part of the NSR project. However, there are dependencies as it is the same construction workers that shall continue to work with the construction of the building that shall host the Pediatric Ward.



Some of the construction workers have due to Covid-19 not been allowed to enter the Hospitals area and the delivery of some building material have been delayed due to the Covid-19 situation.

Only a couple of months delayed (due to finalizing the Men's Ward) the construction work on the building that shall host The Pediatric Ward will start January 2022. According to a revised construction plan issued by the Engineering Company the building shall be ready to hand over to the Hospital, to finalize the installation and commissioning after a construction period of 63 weeks (approximately the same building period as outlined in the decision material). The revised time schedule is attached as appendix 2.

It is still cumbersome and complex to build with local craftsmanship during a pandemic why delays can be expected if the pandemic situation escalates significantly over the coming 6 quarters before end of the project period mid of 2023.

*Short financial status:*

The first costs hasn't been utilized why there isn't any costs to report upon yet.

As the construction work starts in January the first payments to construction workers and building material will be due shortly after.

The collection of the first years NSR project contributions from the five NSR countries according to the By-Laws will be send to the MD-Offices soon to be handled swiftly.

*Potential impact due to the Covid-19 pandemic:*

The hospital itself has not been impacted by the pandemic, however some construction workers have leading to fewer hands on the building site. Using local employees and craft-men is one of the core values and is assessed to more important than a few months delay.

As outlined the project is to start only a few months delayed primarily due to some workers not been granted access to the Hospitals area and delays in the delivery of building material.

In addition the global situation regarding prizing of building material is challenged and can impact the construction work due to basic building material being more expensive and the prices on freight rates have a global upward trend.

Of that reason the costs are monitored closely in order to react and to address potential issues in due time, ultimately adjust the scope of the project.



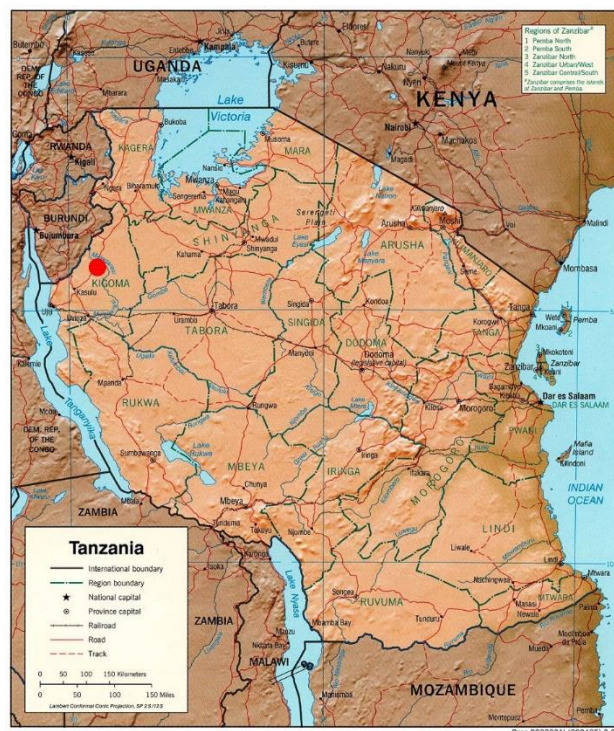
Appendix to December 2021 Interim report on:

***NSR Project 2021-23 "To build a Pediatric Ward at Hera Village Hospital, Tanzania"***

	Page:
1. Project description including budget, presented to NSR Council meeting 2020	4-9
2. Revised time schedule (2021) issued by the Engineering Company	10



**Lions Denmark apply for support to the project that will be driven and anchored in District 106C for the project of building a new Pediatric Ward with Neonatal Unit at the Heri Village Hospital in Munalilla near Kigoma in northern Tanzania.**



## Introduction

- The hospital started in 1947 as a leprosy camp. In 1953 the facility was established as a hospital and in 2014 a Nursing College was added that offers a certificate training programme in Nursing. Plans are underway to upgrade the school to diploma training in Nursing as well as start training of Community Health Workers. The facility which is the only hospital in the area and placed 2,9 km from the main (tarred) road.
- Service offered by the hospital include outpatients, inpatients, medicine, surgery, OB/gyn., pediatrics, pharmacy, laboratory, surgeries (minor and major), ultrasound, x-ray, CTC.
- The hospital attracts patients from the entire region of Kigoma (a population estimated at 2.128 mill and beyond. Being a walking distance (4,5 km) from the border of Tanzania and Burundi, the hospital often takes care of patients from Burundi.
- The hospital also serves as referral hospital for 3 refugee camps in the Kigoma area with 300.000 refugees.

## Statement of the problem

The main hospital building was constructed in 1946 and has belong delapidated over time. Over the years attempts were made at expanding the hospital by adding walls/sections to the existing single structure.



*It can only be better than this.*

- Over the last decade different parts of the roof started leaking due to rust from age. Repeated attempts have been made at mending it only to have recurrences and new places starting to leak. Consequently the ceiling is rotten and cannot be kept decent looking. Repeated changes has become an economic challenge.



- As one goes through the building it is impossible to note the different parts of the walls stained by rain water dripping from the roof. The floor of the hospital is cement and no longer meets the standards recommended by the government that requires floor of the hospital wards to be tiled to facilitate cleanliness and infection control.
- The Hospital has never had a Pediatric Ward nor a Prenatal Unit and there are no Pediatric Wards at any of the State Hospitals in a larger area. Children are admitted and treated in part of the Female Ward and adult patients have easy access to the children which is unsafe for the children.

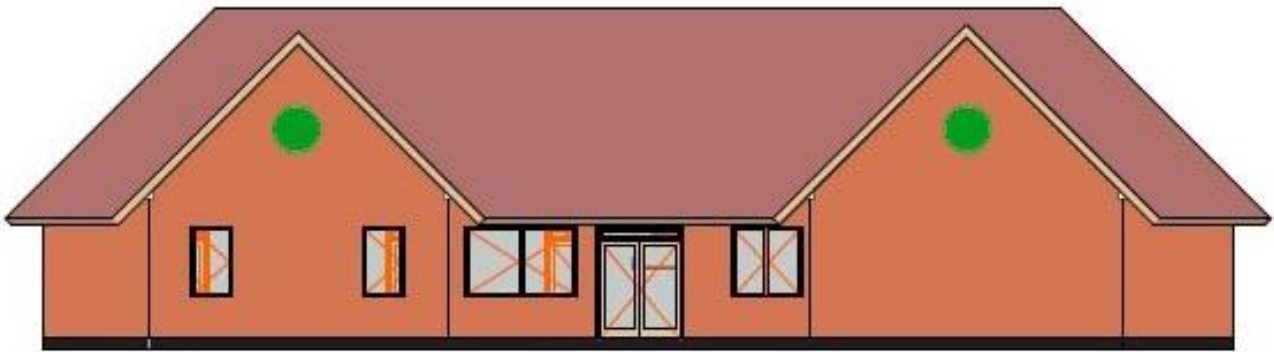
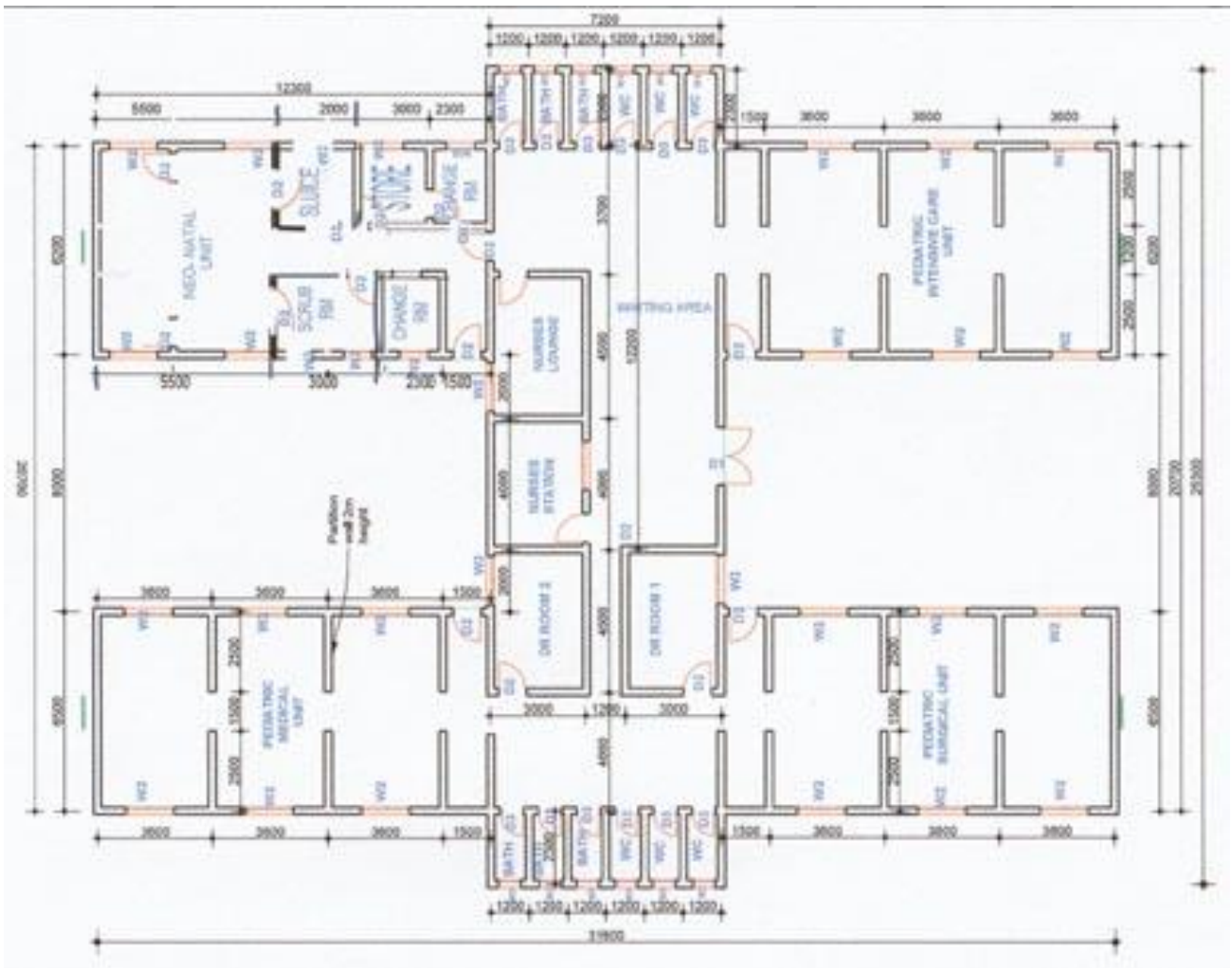
There is therefore the need for a construction of a Pediatric Ward, Medical and Surgical Ward. This will be a first for the hospital if it is possible to do this and it will make for a better care of pediatric patients on a safe and conducive environment.

## The Success on this project

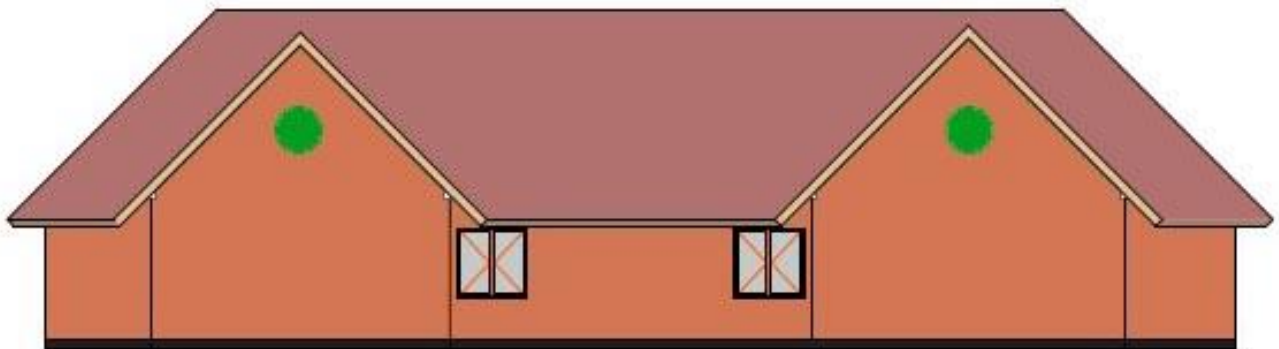
The hospital attracts patients from the entire region of Kigoma, a population estimated at 2.128 mill. Being a walking distance (4,5 km) from the border of Tanzania and Burundi, the hospital often takes care of patients from Burundi. The hospital also serves as referral hospital for 3 refugee camps in the Kigoma area with 300.000 refugees. Only in the Buhigwe District, which is the area from the town of Kasulo and towards the border to Burundi there is about 50.000 children and in the whole of the Kigoma area there are an estimate of 4-500.000 children with no access to a Pediatric Ward, not to speak about a Prenatal Unit. As you can see the new facilities are badly needed especially for the kids in the area.

## Project management and Timetable

The building process will be managed by local companies supervised by Lion PDG Knud Løkkegaard 106C who has a good local knowledge from earlier projects there and Dr. *Morten Øster* who stays for 3 months each year at Heri. The planning process of the project will start immediately after a go-ahead might be given. All drawings and estimates are already available as part of this Application. Once the money is there the building process will start and the building time is estimated to be about one year.



FRONT SIDE VIEW



RACK SIDE VIEW

# Budget

In the Attachment you will find detailed estimates covering the building as well as Medical Equipment.

## HERI ADVENTIST HOSPITAL

### ESTIMATES FOR CONSTRUCTION OF NEW PAEDIATRIC WARD AND NEONATAL UNIT

S/N	DETAILS	COST (US DOLLARS)
<b>A</b>	<b>BUILDING MATERIALS</b>	
1	Bricks	4.257,57
2	Cement	8.099,05
3	Plumbing Materials	2.932,40
4	Transportation and travel expenses	2.100,37
5	Fuel (Diesel/Petrol/Oil engine/Brake fluid etc)	4.539,68
6	Gravels (Aggregate)	1.234,21
7	Iron Rods	6.567,47
8	Lime	1.694,74
9	Electric Items	5.538,21
10	Roofing Sheets	7.497,37
11	Sand	2.613,49
12	Stones	1.784,54
13	Timbers	5.756,58
14	Gypsum/Ceilling	3.399,61
15	Tilles	10.964,91
16	Painting	2.280,76
17	Nails	361,51
18	Door Frames_ Wooden	506,58
19	Sewage Systems	1.657,89
20	Landscaping	1.403,51
21	Aluminium work_ Windows	4.605,26
22	Doors	3.272,96
23	Contingencies 1% material cost	1.661,37
24	Labour 25% of Material cost	20.974,84
	<b>SUB-TOTAL 1</b>	<b>105.704,87</b>

S/N	MEDICAL EQUIPMENTS	
1	Oxygen Concetrator	5.701,18
2	Matress	2.897,37
3	Bed Sheets Cotton	701,05



4	Rubber Mackintosh	442,11
5	Table Examination 2-Section With Pad	498,82
6	Hospital Bed Four Sections With Castors Collapsible Side Rails, Drip Stands And Trapezium.	4.894,74
7	Hospital Bed Two Sections With Castors Collapsible Side Rails, Drip Stands And Trapezium.	3.232,63
8	Bed Hospital Without Castors	2.084,21
9	Bed Side Locker (Metal) With Set In Table	6.969,47
10	Neonatal Incubator	7.017,54
11	Suction Pump Portable,Electric	852,11
12	Transportation	2.192,98
<b>EQUIPMENTS FOR NEUNATAL UNIT</b>		
13	Jaundice light	1.000,00
14	CPAP Machine	4.000,00
15	Vital Sign Monitor	2.000,00
16	Patient Warmer	1.240,00
17	Pulse Oximeter with ETCO2 sensor and SPO2 sensor	800,00
18	Pulse Oximeter	39,00
	Unexpected cost incl currency fluctuation 10%	15.226,80
	Travel expenses for inspection during building period	3.000,00
	<b>SUB-TOTAL</b>	<b>64.790,01</b>
	<b>GRAND TOTAL</b>	<b>170.494,88</b>
		<b>EUR</b>
		<b>155.410,88</b>

USD 170494,88 converted to EUR

*Applicant: Lions Danmark anchored at District 106C,  
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**TIME SCHEDULE FOR CONSTRUCTION OF PAEDIATRIC WARD AT HERI ADVENTIST HOSPITAL IN BUHIGWE  
KIGOMA TANZANIA**

<b>S/N</b>	<b>ACTIVITY</b>	<b>TIME TAKEN</b>
1	Mobilization and demobilization	2 Weeks
2	Levelling by cutting and filling	5 Days
3	Building Setting out	6 Days
4	Foundation trench and columns pit excavations	3 Weeks
5	Stone Foundation Construction	3 Weeks
6	Soil compaction	4 Days
7	Concrete for columns, Concrete for plinth beam, Hardcore packing and oversite concrete	3 Weeks
8	Burnt bricks wall construction and lintel concreting up to roof level	3 Months
9	Roofing work generally	1.5 Months
10	Brendering work for ceiling	3 Weeks
11	Electrical conduiting and plumbing work	2 Weeks
12	Door frames fabrication and fixing on wall	3 Weeks
13	Internal and external Wall plaster Finishing work	1 Month
14	Gypsum board ceiling finishing	3 Weeks
15	Floor and wall tiles finish	1 Month
16	Alluminium windows fabrications and fixing work	1 Month
17	Door fabrications and fixing work	3 Weeks
18	Electical wiring and fittings work	2 Weeks
19	Sanitary ware fixing and plumbing works generally	1 Month
20	External works: (Pits, drainage system and landscape)	1 Month
21	Painting and decoration works	3 Weeks
22	Building Inspection	3 Days
23	Handing over	1 day