



Haydom Lutheran Hospital

ELCT Mbulu Diocese

04.11.2020

REQUEST FOR EXPRESSION OF INTEREST FOR OXYGEN PIPING

Haydom Lutheran Hospital is a Non-profit Organization owned by Evangelical Lutheran Church in Tanzania, Mbulu Diocese. The Hospital is located in Manyara Region and is Referral Hospital at the Regional level. It is about 120km from Babati the head quarter of the Manyara Region.

The principal activity of HLH is the provision of medical services to residents in its catchment area and other neighboring communities. The Hospital has set apart some Funds for fixing oxygen pipe line from the production area to the patient wards.

Eligible bidders are invited to for the work as per the attached specification.

Bidders are required to do the following: -

1. Visit site to get accurate measurement so as to quote properly, HLH technical personnel will assist to show the areas of work.
2. Fill the attached document and send to HLH as per deadline

The bidder shall submit the copies of the following Pre-Qualification Requirements; -

1. Current Business license
2. Certificate of business Registration
3. Certificate of regulatory bodies e.g. TMDA
4. TIN Registration certificate
5. Experience
6. Letter of recommendation

All Expression of Interest should be emailed at tender@haydom.co.tz or hard copy by hand or courier service to:-

**CHAIRPERSON OF TENDER COMMITTEE,
HAYDOM LUTHERAN HOSPITAL,
P.O. BOX 9000, HAYDOM
MANYARA.**

- Dead-line for submission of Expression of Interest is Wednesday 20th November 2020 at 16:00 hour's local Time.
- Late submission of Expression of Interest shall not be accepted for Evaluation irrespective of the circumstances.

For specification requirement refer the Document in our Hospital Website:
<https://haydom.or.tz>


DR. PASCHAL F. MDOE (MD, MCHD)
AG. MANAGING MEDICAL DIRECTOR
HAYDOM LUTHERAN HOSPITAL

Haydom Lutheran Hospital
P.O. Mbulu
TANZANIA



Haydom Lutheran Hospital
ELCT Mbulu Diocese

Specifications for oxygen piping

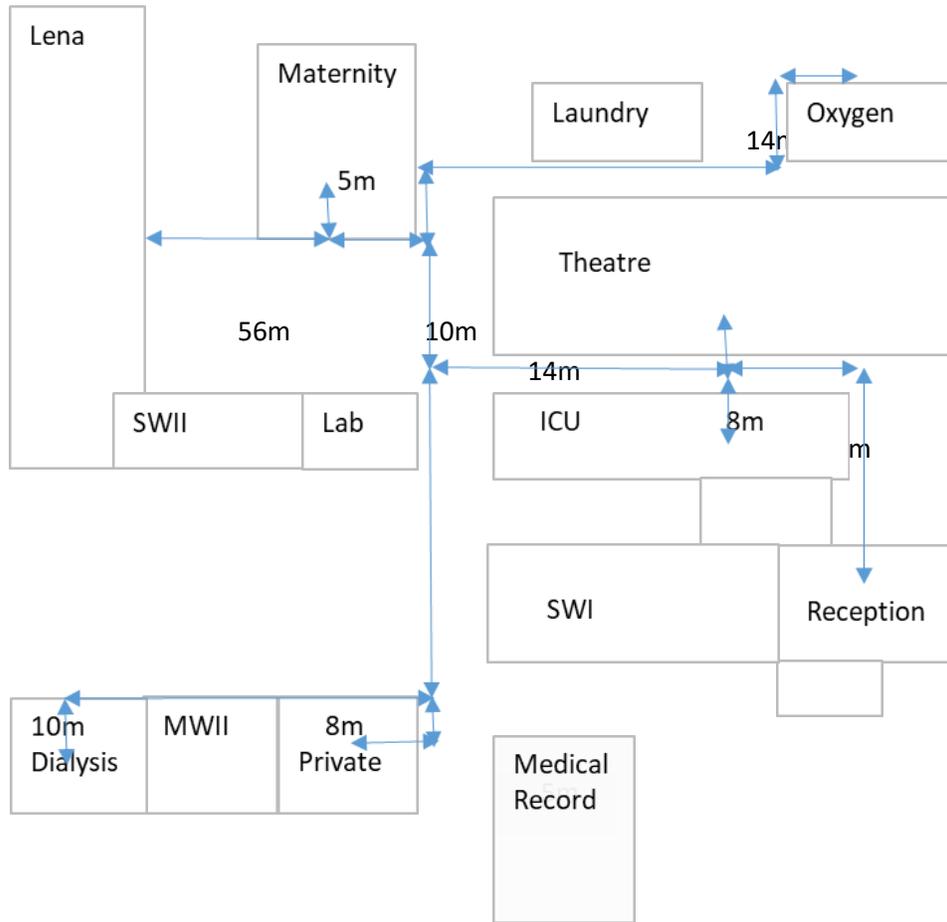
Sr	Conditional requirements	Description	Providers answer/Description
1	Workmanship	The contractor shall be a recognized piped gas and vacuum installation firm specializing in this field. The contractor shall employ only skilled artisans and technicians who are competent in this type of work and shall possess a recognized training course in medical gas pipeline installation (include CV of the artisans).	
2	Experience	The contractor shall provide reference of at least 2 hospitals where the company has made pipping (letter of recommendation).	
3	Piping materials	<ul style="list-style-type: none">➤ Material shall be new of best quality and available for medical gas installation.➤ Tubes must have engraved manufacturer name and date.➤ Tubes must withstand operation pressure of not less than 11 Bar and test pressure of not less than 16.5 Bar <p>copper tubes must have the following characteristics:</p> <ul style="list-style-type: none">• no welding• smooth inner wall, clean	

		<p>and dry</p> <ul style="list-style-type: none"> • ends sealed until installation to avoid any risk of contamination by external impurities during storage or transport • gastight restricted residual impurities content 	
4	Isolating valves	All isolating valves for gases shall be of the diaphragm type with bronze bodies and diaphragms for the gas handled. They shall be suitable for a working pressure of 11Bar.	
5	Isolating valve boxes	<p>Each box shall be constructed of 1,2mm thick powder coated white sheet steel. All isolating valves shall be mounted on a 1,6mm back-plate. A hinged access door shall be provided complete with switchboard panel type turn-key lock.</p> <p>An engraved name plate shall be fitted to the door of all valve boxes to read as follows:</p> <p style="text-align: center;"><i>Authorised Persons Only</i> <i>Medical Gas</i> <i>Isolating Valves</i> <i>Do Not Close</i></p>	
6	Medical gas outlet points	<p>Medical gas outlet points and probes must feature the following:</p> <ol style="list-style-type: none"> 1) Non-interchangeability between probes and valve housings, and no interchangeability between valve housings and back bodies between the various gas types (oxygen and medical air). 2) Quick release of the probe with single handed operation. 3) Provide for installation of a non-return valve in the back 	

		<p>body to facilitate maintenance of the outlet point without interruption of gas supply to other medical gas outlet points.</p> <p>4) Probes with fitted ball-type non-return valves which present uncontrolled whipping of male probe hose connections after release (except vacuum probes).</p> <p>5) Colour coded and labeling of each type of medical gas outlet point.</p> <p>6) All blackbodies are identified by locating index pins and are name stamped.</p> <p>7) Unique shape of the valve housing to ensure non-interchangeability of probes.</p> <p>8) Locating holes in the valve housing which match only the index pins of the correct type of backbody. 9) Both surface and concealed (flush) mounted points are covered and protected by either a cover box or plate. In either case the cover box/plate is a one piece "wipe clean" plastic cover which is colour coded and marked with the name of gas in both official languages.</p> <p>10) Provision for the installation of a blanking plate to the backbody to prevent damage to entry of dirty during installation and for pressure testing purposes</p>	
7	Non return valves	Non-return valves shall be provided where indicated and noiseless in operation	
8	Cleanliness	It is stressed that during the installation of medical gas pipelines, care is taken to ensure that dirty; oil, etc. are not allowed to enter the pipeline, valve, etc. Pipe caps should not be removed until the pipe is to be installed and after installation	

		open ends are to be blanked off/capped to prevent the entry of dirt, etc.	
9	Alarm system (Monitoring and control - automatic/Manual)	Medical gas alarm systems shall fulfill the following two functions: a) Routine indication that any of the medical gas supply systems has gone from normal to fail and that appropriate action should be taken. b) Indication that there has either been a complete failure or a failure on the system is imminent.	
10	Operating and maintenance plan and manual	The contractor shall provide three copies of the Operating and Maintenance Manuals of the system upon completion of the pipeline installation The provider shall give the details of accessories (spare parts) and their availability in the market The provider shall provide the maintenance plan/schedule – both for minor and major maintenance	
11	Other accessories	Indicate all other accessories with respect to specific gas outlet points.	
12	Training	Provision of training during installation as pre-training of technical and medical staff for the use of the system, minor maintenance and repair.	
13	Additional expertise information	The contractor is requested to provide other necessary information not captured in the above requirement	

PROPOSED OXYGEN PIPELINE ROUTE MAP FOR HLH INTERNAL WARDS



NUMBER OF OUTLETS ALLOCATION IN EACH WARD

S/no	Ward	No of Points
1	ICU	6
2	Neonatal	3
3	Theatre	8
4	Reception	4
5	Medical II	2
6	Dialysis	5
7	Lena	4
8	Medical I	4