**Annex 4 of the contract ref. no: 279612/2018-ČRA**

Description of the Planned Construction for the small scale public contract called: "Preparation of the construction project for a new pavilion of paediatric hospital Jhvania". **The public contract is implemented as part of the project "Establishment of Services of Child Long-Term and Palliative Care in Georgia."**

Based on the construction project, a new five-floor pavilion of the paediatric hospital Jhvania will be constructed.

**Situation – Existing State of the Site**

The site intended for construction is located on the eastern side of the existing building of the Paediatric hospital Jhvania at Ljubljanska ulice 19, Tbilisi.

The land is flat, with a size of app. 34 x 34 m. At present it is used as a parking area.

The main service road leads through the site and there are no networks and lines on the site of the planned construction; the site is not restricted by the protection zone.

**Territory Limits**

Due to the required height of the building – 16 m - the distance from the site boundaries is set at 6.4 m. The western side of the site is limited by the service road. The eastern side is bordered by a wall from the residential buildings. The eastern wall of the new building can be 1 m from the site boundary if it is without windows.

There are infrastructure lines in the road – water supply, sewerage, electricity, data networks.

On the northern side of the site there is a central oxygen storage. On the southern side of the site there is a parking area of the neighbouring hospital.

**Operation Requirements**

Each of the floors will in a specific way complement the operation of the existing paediatric hospital Jhvania in the form of separate department (according to Annex 2). On the first above-ground floor there will be a department of infectious diseases with technical facilities; on the second above-ground floor there will be administration; on the third above-ground floor there will be an operation supporting activities connected with teaching and facilities for students and teachers. The neonatology department is planned on the fourth floor and the fifth floor will include facilities for children's long-term and palliative care.

The third and fifth above-ground floors will be connected by closed bridges directly to the layout of the existing hospital.

The roof and attic space will be used for the refreshment of employees and visitors. Part of the roof should serve as a terrace for visitors and part as a terrace with a garden for patients.

Waste management of the new departments will adequately be addressed within the paediatric hospital Jhvania according to the applicable regulations.

**Layout Requirements**

A reinforced concrete frame with a 6x6m module will be built on the ground plan of app. 380 m2.

There will be an accessible staircase and lift batteries on each floor.

Central delivery of food and collection of dirty linen is foreseen.

Each floor will be equipped with the appropriate number of sanitary facilities and facilities for staff.

The corridors will allow the movement of hospital beds. The entire layout will be designed with a view to barrier-free operation.

The Construction Program is set out in Annex 2 of the Tender Documentation and is binding for the first phase of the project preparation of the construction - the concept of the construction. According to the outcome of the concept, the program will be updated and, after an agreement with the contracting authority and based on a written report, will obligatorily be set for the project preparation.

**Construction Requirements**

The overall dimension of the main reinforced concrete structure will be optimised according to the designed layout.

The building may include a partly sunken technical basement.

The roof will be designed as a partly receding floor with two terraces, a space for a café with refreshment, an end of the staircase and lifts.

The main supporting structure along with the cladding will be designed in affordable and cost-effective technologies. The construction will be performed through standard manufacturing procedures.

**Equipment Requirements**

The equipment will always meet the requirements for the operation of each department.

The fourth and fifth above-ground floors will be equipped with an oxygen distribution. Every bed will allow the connection of all the necessary medical devices.

The bed parts will always be equipped with a patient monitoring system.

All surfaces will be washable, durable with antiseptic coating.

**Performance Conditions**

The construction will be performed in one stage, based on a supplier competition, by a responsible construction company.

During the construction, it is necessary to minimise the impact on the operation of the existing hospital, especially with regard to the outage of networks at the time of connection and activities in the protection zones.