

Tender: RFQ/2025/55943

Provision of design services for improving the heating systems in twelve health facilities in North Macedonia (UNOPS-CLA-2025-S-002)

Minutes of the pre-bid meeting / site visit

Reference is made to the tender RFQ/2025/55943, Provision of design services for improving the heating systems in twelve health facilities, within the EU funded project "EU for Clean Air".

As published within the tender, site visit was carried-out for all 5 lots:

LOT 1

1. Polyclinic "Bit Pazar" in Skopje, bul.Krste Misirkov br.28
Date: 12.02.2025 - 09 o'clock

LOT 2

1. Polyclinic "Dracevo" in Skopje, str.Branko Zarevski bb
Date: 12.02.2025 - 10:30 o'clock
2. Polyclinic "Cento" in Skopje, str. Madjari bb
Date: 12.02.2025 - 11:45 o'clock
3. Polyclinic "Suto Orizari" in Skopje, str.Suto Orizari bb
Date: 12.02.2025 - 13:00 o'clock
4. Polyclinic "Gjorce Petrov" in Skopje, str. Gjorce Petrov bb
Date: 14.02.2025 - 10:45 o'clock

LOT 3

1. Gerontology "13 Noemvri" - Sue Ryder
Date: 14.02.2025 - 12 o'clock

LOT 4

1. Psychiatric hospital "Skopje" - Bardovci
Date: 14.02.2025 - 09 o'clock

LOT 5

Clinical Hospital Tetovo
Date: 13.02.2025 (09 - 12:00 o'clock):

1. Surgery Block
2. Internal-Infectious Block
3. Public Health (CJZ)
4. Emergency Block
5. Ambulance

The following questions were raised and answers/clarifications are listed below each question:

1. **Question:** Are there any available documentation - architectural plans, drawings, electrical plans etc. for the buildings that could be shared and used as supporting documents for development of the Basic Design?

Answer: The final beneficiaries will provide all available documentation (in any available format - hardcopy or electronic) they possess for the buildings to the **selected company for the specific LOT**, to facilitate the design activities. As indicated in the tender documentation - ToR for all LOTS, **the architectural part of the Basic Design should include only:**

- a) Technical description;
- b) Layouts of the boiler room indicating transversal and longitudinal sections. Detail on the facade wall/outdoor location foreseen for the new boiler(s) installation;
- c) Site plan of the building showing the location of newly designed outdoor boilers.

2) Question: What kind of energy supply is envisaged for the Polyclinic “Bit Pazar”?

Answer: For all health facilities within this tender, the Ministry of Health as final beneficiary is undertaking the responsibility for the energy supply and will be developing in parallel the design of the energy projects for CNG plants, as well as their installation on the sites.

For the Polyclinic “Bit Pazar” there is another alternative to investment in supply of CNG, and that is connection to the central district heating (CDH) network. The Ministry of Health will complete the estimations and inform timely about the selected energy source, before the start of the contract with the selected design company.

The scope of this tender is only the Basic Design for the improvement of the heating system in each of the objects. Hence, it will not focus on the gas distribution lines (or CDH) to the new gas boilers.

3. Question: Is a licence A or licence B for design needed for this tender?

Answer: Valid license A or as stated in the tender Licence B (at least) for design of technical documentation issued by the Ministry of Transport and Communications, is needed for the legal entity (company). Also, Valid authorisation A or valid B authorizations (at least) for each of the phase designers (architecture, mechanical, electrical, fire protection and health and safety phase) issued by the Macedonian Chamber of Chartered Architects and Engineers is required.

4. Question: Is it required for a separate core team to be proposed per building or per Lot?

Answer: Each team proposed shall be composed of one architect, one mechanical and one electrical designer (core team) plus one Fire Safety Designer and a Health and Safety Designer. Responsibilities relating to HSSE and FP can be covered by one of the engineers of the core team, provided they have the necessary authorizations. **If submitting bids for more than one LOT, members of the core team cannot be the same individuals. Submitting the same core team for each LOT could disqualify the bidder from the evaluation process.**

5. What type of interventions should be included in the project for the existing boiler rooms and existing oil boilers?

Answer: As stipulated in the ToRs for each of the LOTs, the mechanical phase design should include:

1. Technical description;
2. Technical conditions;
3. Creating schematic diagram-raiser diagram (STRANG shema) with record on existing installed radiators with their capacity and pipe size.

NOTE: In case of any other consumers of hot water connected to the heating system that is subject of this design, ex. tanks for sanitary hot water (SHW), air handling units or other, to be considered when calculating the total heat demand;

4. Selection of thermostatic valves for public buildings with integrated automatic flow limitation to replace existing manual valves. Replacement of existing lock shields.

Selected elements by quantity determined by record made on site, to be expressed in the BoQ;

5. Selection of balancing valves on the raisers by quantity determined by record made on site, to be expressed in the BoQ;

6. Sizing the elements in the newly designed boiler room taking into consideration notes described in pt. 4.1 and demands as follows:

- dismantling of the entire heating equipment from the existing boiler room up to the transition of the heating pipes to the building (pumps, valves, fittings, measuring and regulating equipment, pipe installation including manifolds for supply and return water, expansion vessels, water softening system for preparation of water...) with removal and transport to the nearest licensed recycling company. Existing boilers completed with the fuel supply installation, remain in the boiler room as a redundancy (back-up);
- selection of modular gas boiler station in certified housing for outdoor installation consisting of built-in gas boilers with their own pumps and other elements, hydraulic switch as a separate primary circuit and the possibility of automation temperature control of sufficient number of independent heating circuits depending on outdoor conditions;
- new optimised functional diagram with the implementation of: frequency- regulated pumps, new valves, measuring instruments, balancing and control valves and other fittings, expansion vessels for an installed capacity up to 250kW i.e. systems for maintaining pressure in the system by pumps for larger capacities;

7. Graphical enclosures - drawings: layout showing equipment position in the boiler room, complete view in the transverse and longitudinal section of the boiler room, detail on the facade wall / outdoor position where installation of the newly designed boiler is foreseen, raiser diagram (strang shema), and all other drawings necessary for works performance;

8. Technical specification on selected equipment and elements;

9. Bill of Quantity (BOQ).

REMARKS 1: The following positions should be envisaged within the project as well:

- Dismantling/cleaning/installation of heating elements - radiators;
 - Insulations of pipe segments passing through rooms/areas where heating is not envisaged;
 - Servicing of existing boilers and burners (together with existing automation control) to enable their future usage solely as back-up equipment (in cases of defects of the newly installed boilers or interruptions in gas supply, etc.);
 - Appliance for water softening;
 - Pipe insulation in the boiler room and outdoor segments with aluminium sheet protection;
 - Examination of installations, regulation and balancing of the heating system with commissioning and preparation of technical documentation for newly designed conditions;
 - In case of existing system for SHW production, technical solution to be foreseen for its temporary function while works for improvement of the heating system are ongoing (out of heating season);
- NOTE: Neither SHW equipment nor installation is subject to this design.
- Provision of permits and approvals for works described in the BoQ of basic design that is subject to this ToR (if any required)

* Energy supply - CNG plant and gas distribution lines to newly installed gas boilers are not part of this project. This part will be done separately by the end beneficiary - Ministry of Health.

6. Question: Should all of the required documents and forms for the offer be prepared in English?

Answer: Yes, all UNOPS returnable forms and requested documents composing the bid should be prepared in English language.

Copies of original official documents (such as: Company Registration/Current State -Tekovna sostojba, Licences, Authorisations, Proof of permanent or temporary employment, Diplomas or reference letters) do not need to be translated into English. UNOPS reserves the rights to request translation of documents if it is needed.

Skopje, 14.02.2025