

CLIENT IN THE COMPETITION: MEDICAL UNIVERSITY SOFIA



DESIGN TERMS OF REFERENCE

For a six-storey academic and administrative Building
Rector's Office of the University of Medicine – Sofia
Dean's Office of the Faculty of Medicine
Faculty of Public Health
Congress Centre and Underground Garage

SITUATED IN SOFIA, QUARTER 387, RLP 1 – HOSPITAL COMPLEX
“BULGARIA BLVD – MEDICAL COMPLEX – UNIVERSITY OF MEDICINE”

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Article I. COMPETITION FOR CONCEPT ARCHITECTURAL DESIGN

Subject Matter: *“Six-storey academic and administrative Building and Rector’s Office of the University of Medicine – Sofia, as well as Dean’s Office of the Faculty of Medicine at the University of Medicine, Faculty of Public Health at the University of Medicine in RLP I – “Hospital Complex“, Quarter 387, “Bulgaria Blvd. - Medical Complex - University of Medicine“ Area*

I. ABOUT THE UNIVERSITY OF MEDICINE – SOFIA

1. Historical Background

University of Medicine – Sofia (UMS) is the oldest higher school of medicine in Bulgaria, which celebrated its 100th anniversary on 8 November 2017.

UM-Sofia’s history spans through three different ages in the Bulgarian modern history. The first period (1917-1947) coincides with the strengthening of the modern Bulgarian state and its institutions. At that time physicians, dentists and pharmacists – graduates of major European Universities, became the first professors of medicine (1918), dentistry and pharmacy (1942) within the structure of chairs and curricula, based on the experience of Germany, Austro-Hungary and other countries. The second period (1947-1989) spans through the communist regime, established in Bulgaria, marked by significant isolation, ideologization and indoctrination of the medical education. The third period, after 1989 coincides with the development of democracy in Bulgaria and the recognition of the scientific and educational standards of united Europe.

The origins of the academic medical education in Bulgaria is inherently bound with the establishment of the first Faculty of Medicine. On 10.11.1917 the National Assembly passed an amendment to the Education Act, regulating the establishment of the Faculty of Medicine in Sofia.

This amendment was approved by Royal Decree No. 21 of 22.11.1917, issued by Tsar Ferdinand and promulgated in State Gazette, issue No. 266/29 November 1917. This the Faculty of Medicine (FM) was established – the fourth faculty of the Sofia University „St. Kliment Ohridski“– Sofia, and this was an event of major significance for the Bulgarian medicine, because it was the foundation, on which the current University of Medicine in Sofia (UMS, UM-Sofia), was later developed.

Originally, the Faculty of Medicine was accommodated – for the pre-clinical specialties – in the building of what was then the “First Boys Secondary School“ (2, Danube St), and for clinical specialties - - in the wards of the Alexandrovska Hospital “Prince Alexander I“ (Georgi Sofiyski street) and the former Maternity Hospital “Princess Maria Luisa“ (Bratya Miladinovi St).

The first dean of the FM was professor Ivan Kiprova, and the academic classes with the first lectures in medical physics and biology commenced on 10.04.1918. The library of the FM also opened its doors in the same year.

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In 1950 by Decree No. 246 of 26.01.1950 of the Presidium of the National Assembly, the Faculty of Medicine of the Sofia University with its Dentistry Department was separated from the university and established as an individual institution - Medical Academy (MA). It was headed by its first rector – Prof. Marko Markov. The Institute for Specialization and Development of Physicians - University Hospital Tsaritsa Yoana - ISUL (Byalo More St).

By Decree of the National Assembly's Presidium of 13.07.1951. The Department of Pharmacology was transferred from the university to the Medical Academy, which was divided into three faculties /of Medicine, Dentistry and Pharmacy/.



In 1954 the Medical Academy was renamed to become the Higher Medical Institute – the largest medical school in Bulgaria. The next reorganization of the medical institutes took place in the beginning of the 1970s, when the MA was restored, and at that time it included the institutes in Sofia, Plovdiv, Varna and at a later stage – Pleven and Stara Zagora. At the end of 1975 a total of 4168 lecturers worked there, as the number of students exceeded 10 000. The Rector's Office and the Rector united, directed, integrated and managed the diverse academic and research activities, carried out at the colleges, centres and faculties of the University of Medicine.

The University of Medicine - Sofia has a unique position in the Bulgarian educational system. There, the high quality of lecturing, the achievements in the research and treatment activities and the public operations have been integrated in order to make the UM an innovative institution, reacting to the needs of the society.

The University of Medicine – Sofia is a pioneer and has been the undisputed leader in all of its five professional divisions: Medicine, Dental Medicine, Pharmacy, Health Care and Public Health, where students are trained, according to the ranking of the higher education institutions in Bulgaria ever since the Ministry of Education and Science's rating system was established in 2011. It should be noted that the institutional accreditation rating, given by the National Agency of Evaluation and Accreditation to the UM-Sofia is 9.68 out of 10.

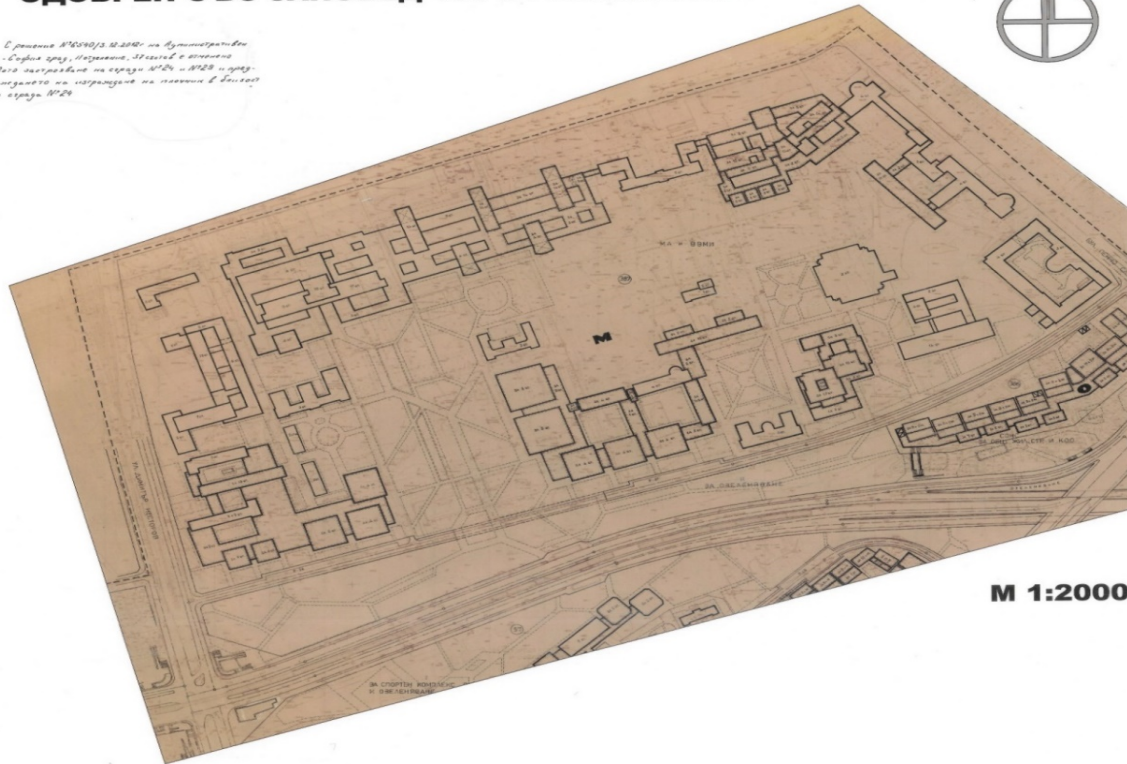
Annually the University teaches over 3000 foreign students from 57 countries.

The diplomas, issued by the UM are recognized in the EU and the EEA, as well as in numerous other countries in Europe and worldwide.

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ЗАСТРОИТЕЛЕН И РЕГУЛАЦИОНЕН ПЛАН НА МЕСТНОСТ "БУЛ.БЪЛГАРИЯ"/КВ.387/--СОФИЯ" ОДОБРЕН СЪС ЗАПОВЕД 153 ОТ 26.03.1980Г.

С решение № 40590/12.02.2008 г. на Административен съд - София град, Изпълнителен състав е отменено изданието на чертежа № 153 от 26.03.1980 г. и е изготвен нов чертеж на местността в същия мащаб.



The University of Medicine prepares its students for working in a very competitive environment, where quality is the decisive factor for success. At the same time, the University of Medicine - Sofia strives to develop in its students a sense of tolerance, good teamwork abilities, high level of responsibility, independence, good assessment and decision-making skills. In this way the UMS tries to meet the ever-increasing public needs.

2. Structure, current status and development plan

The University of Medicine - Sofia is an autonomous governmental higher education institution with a status of a legal entity and the following line of operations: providing higher medical education degrees – “master”, “bachelor” and “professional bachelor of...”; providing education graduates for acquiring the educational and scientific degree “Doctor”; post-graduate training of people with higher medical and non-medical education, for acquiring specialties; fundamental and applied scientific research; consultative and expert activities; international integration activities in the areas of education and science; administrative, social, sports, publishing, information and other activities.

The University of Medicine is a complex structure, consisting of 4 faculties, 1 centre for languages, physical education and sports, 1 college, 1 subsidiary, Central Medical Library, R&D Facility, Students’ Dormitories and Canteens, Social and Household Services to Students, Holiday Facility – Kiten and 13 university hospitals. The Faculty of Medicine, like most similar organizations in the Western European countries and in the US, consists of 2

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main structures – Pre-Clinical Facility (Medical and Biological Complex) and Clinical Facility within the 13 university hospitals. Faculty's scientific and teaching staff consists of 2178 specialists: 5 academicians, 6 corresponding members, 167 professors, 283 associate professors, 718 assistants and 88 lecturers.

All members of the scientific and teaching staff, as well as the rest of the employees, are employed, based on employment agreements with the Rector of the University of Medicine – Sofia, who is their employer. He is a person of academic rank, meeting all the requirements to occupy an elective managing position at the UM - Sofia. The rector manages, organizes, supervises and coordinates UM-Sofia's overall activities, supported by his administration - the Rector's Office.

The structural units in the UM-Sofia, according to the Higher Education Act are main, service and auxiliary.

The main units are the Faculties of Medicine, Dental Medicine, Pharmacy, Public Health and the Y. Filaretova Medical College. A main remote structure of the University is its subsidiary "Prof. Dr. Ivan Mitev, MD"- Vratsa. The Centre /future Department/ of languages, physical education and sports (CLPES) is a unit of the UM-Sofia, providing training of undergraduates and graduate students in auxiliary disciplines.

(4) The service units are: the Central Medical Library, the scientific/R&D centres and other relatively individual structures.

The auxiliary units include Rector's Office, Deans' Offices, the directors of the subsidiary, the college and the centre/department, along with their relevant administrative and other departments and offices, R&D facilities, the holiday complex in Kiten, the Students' Dormitories and Canteens, Social and Household Services to Students etc.

For the purposes of the scientific, research and educational activities in one or a group of similar disciplines, the main units are complemented by a Medical and Biological Complex, chairs, sections, laboratories, as joint-operation contracts have also been signed with university hospitals, in accordance with the legal regulations and the Rules of the UMS.

Faculties

- Faculty of Medicine
- Faculty of Dental Medicine
- Faculty of public health
- Faculty of Pharmacy

Subsidiaries

- Subsidiary "Prof. Dr. Ivan Mitev, MD" , Vratsa

Centre/ Department

- Centre/Department of languages, physical education and sports

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Medical colleges

- Medical College „Yordanka Filaretova“, Sofia

University hospitals

- University Hospital “St. Ivan Rilski“
- University Hospital “Alexandrovska“ EAD
- University Hospital St. Anna AD
- University Hospital Tsaritsa Yoana - ISUL EAD
- University Specialized Hospital for Active Treatment of Orthopaedics “Prof. B. Boychev” EAD
- University Specialized Hospital for Active Treatment of Endocrinology „Acad. Ivan Penchev“ EAD
- Specialized University Hospital of Gynaecology and Obstetrics „Maychin Dom“ EAD
- Specialized Hospital for Active Treatment of Children’s Diseases „Prof. Dr. Ivan Mitev, MD“ EAD
- University Hospital „St. Ekaterina“ EAD
- University Hospital of Neurology and Psychiatry „St. Naum“ EAD
- Specialized Hospital for Active Treatment of Pulmonary Diseases „St. Sofia“ EAD
- University Hospital of Emergency Medicine “N. I. Pirogov“ EAD
- University Specialized Hospital for Active Treatment of Endocrinology „Acad. Ivan Penchev“ EAD

Medical Libraries

- Central Medical Library
- Library at the Faculty of Dental Medicine
- Library at the Faculty of Pharmacy

University electronic, information and educational centre

- „Communications“ Sector
- “General and Specialized Information” Sector
- “Remote Education” Sector
- “Carrier Development” Sector
- “Quality of Education and Academic Staff” Sector
- “Programming and Software” Sector

At present, a total of 9000 – 10000 undergraduate and graduate students attend the University of Medicine. The trends show an increase in the number of students as their number is expected to continue to grow in the next 10-15 years.

The number of employees exceeds 2000 people, as currently the staff includes 5 academicians, 6 corresponding members, 167 professors, 283 associate professors, 718 assistants and 88 lecturers.

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According to the ranking of the US News&WorldReport, based on data from the Clarivate Analytics In Cites in the period 2016-2018, the University ranked from 1051st to 1240th among 40 000 studied and classified higher education institutions.

It should be noted that UM-Sofia, has never had its own separate educational and administrative building, hosting the administration of Rector's Office, most of the main units -faculties, as well as to provide proper conditions for modern educational and teaching activities, or a congress centre, where the results and outcomes of the R&D activities could be presented.

Historically, during the first period - Rector's Office of the Sofia University organized the activities of both the FM, and of the subsequently established Dentistry and Pharmacy Departments thereof. During the second period – Rector's Office of the MA/HMI - Sofia and Dean's Office of the FM occupied a part of the buildings of the University Hospital "Alexandrovska", chiefly in the building of Second Internal Clinic or the current building with the large clock opposite to the arch at the Georgi Sofiyski Blvd. Subsequently, after 1976 Rector's Office and Dean's Office of the FM were transferred to the polyclinical part of the newly constructed building of the Specialized University Hospital of Gynaecology and Obstetrics "Maychin Dom" EAD, and in the beginning of the 1980s, Rector's Office was yet again moved to the then new building of the Institute of Hygiene (15, Acad. Ivan Geshov Blvd), where it now continues to occupy the 10-12 floors. From the moment of its establishment in 1995 the Faculty of Public Health was assigned to the attic areas of the buildings of University Hospital Tsaritsa Yoana - ISUL (Byalo More St, 8), and the Centre of Languages and Sports, is accommodated in a rather small building with insufficient space and inadequate structure in the yards of the Alexandrovska Hospital, the former Chair of Physiology.

In this respect, the new building, subject matter of this Competition, is intended to host the administration of Rector's Office of UM-Sofia, the administrative structures of Dean's Offices of the FM, FPH, some chairs and laboratories of the FM, the centre/ department of physical education and sports, as well as the congress centre, with an aula maxima and various satellite auditoriums, other sports, educational rooms/halls and offices. There will be a separate simulations centre for the training of undergraduate and graduate students, residency etc., library, cafe, restaurant/canteen, underground parking other utility/auxiliary rooms and premises.

This building will be used daily by an average of 3000 students from the various faculties of the University.

II. TERRITORY, WHERE THE BUILDING WILL BE SITUATED

1. General description of the territory

The University of Medicine – Sofia covers an area in quarter 387 – the „Bulgaria Blvd“ area. It is intended to accommodate multiple hospitals, educational, academic, auxiliary buildings, clinics and other facilities. The land is public state property.

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There is effective urban planning documentation, regarding this area - Detailed Development Plan – Regulation and Construction Development Plan (DDP - RCDP) - (Attachments TZ-1a and TZ-1b), approved with the respective decisions of the Municipal Council and orders of the Architect General of the Sofia Municipality. For the design of the building, , pursuant to the applicable regulatory framework and the currently effective urban planning documentation, the Architect General of the Sofia Municipality, has issued a Planning permission (Design Visa) (Appendix TZ-2), in 2015, specifying the compulsory urban planning parameters, to be observed, when preparing the designs within this Competition.

The terrain, where the new “Academic and Administrative Building and Rector’s Office of the University of Medicine – Sofia, as well as Dean’s Office of the Faculty of Medicine at the University of Medicine, Faculty of Public Health are indicated in the plans for the Amendment of the Regulation and Development Plan /ARDP/ for quarter 387. The spot, intended for this development is situated in the eastern part of the quarter. The following buildings and structures are located in close proximity to the area:

- **To the east** – inner street and buildings of the University Hospital “St. Ekaterina“ EAD, Medical and Biological Complex of the Faculty of Medicine, First Surgical Unit of the University Hospital „Alexandrovskaa“ EAD.
- **To the north** –a street with asphalt pavement, which is currently used to access the terrain, park areas and a building – monument of culture, which is currently unusable. According to the current urban development plan, the street is to be transformed into a landscaped area - park, and the motor vehicle access to the building shall be from the west and south.
- **To the west** – greenery areas, street with asphalt pavement and the building for the hospital waste incinerator.
- **To the south** – buildings of the Specialized University Hospital of Gynaecology and Obstetrics “Maychin Dom“ EAD and the Paediatrics Clinic at the University Hospital “Alexandrovskaa“ EAD

2. Current situation of the terrain, planned for development

On the terrain, intended for the new building, there are no structures, since the previously existing solid two-storey building has been fully removed. There are no data of any existing underground utilities or other infrastructure within the terrain, planned for development. The new building is to be connected to the existing utility networks. The approved permissions, visas and the necessary statements by the distribution/utility companies, may be found in Appendix TZ-3.

Within the terrain, where the building will be situated, there are 38 existing trees. These are to be integrated in the greenery/landscaped areas, to be included in the design. If trees need to be removed, 5 new trees must be planted for each removed tree. The layout and descriptions of the existing trees can be found in Appendix TZ-4.

3. Access routes

3.1. Motor vehicle access

Quarter 387 near one of Sofia's primary thoroughfares – the „Bulgaria“ blvd.. The motor vehicle access shall be mainly through the Academic Ivan Evstatiev Geshov Blvd (II class street), Pencho Slaveykov Blvd (IIIa class street) and St. Georgi Sofiyski St (IIIb class street). Secondary access to the new building shall be provided through the Zdrave and Han Persiyan Streets. The motor-vehicle access to the entire complex is controlled, as there are several checkpoints along the perimeter of the quarter. The communication between the buildings of the complex is based on inner streets of the quarter. There are numerous outdoor parking lots, near the entrances to the complex. In the southwestern part of the quarter, adjacent to the building of the Specialized Hospital for Active Treatment of Pulmonary Diseases „St. Sofia“ there will be a multi-level parking building, according to the current development plan. In the north-eastern part of the quarter, near the Second Surgical Unit of the hospital, there is a large outdoor parking lot.

3.2. Access, using public transport

This area enjoys a very well-developed public transport network. There are connections and easy communications to all parts of the city. Currently, stops of the following bus, tram and trolleybus lines are situated along the adjacent streets:

- Through the Bulgaria Blvd – tram line No. 7, bus lines 204, 604, 76.
- Through the Academic Ivan Evstatiev Geshov Blvd – trolleybus lines 2,8,9 and bus lines 64,74,604.
- Through the Georgi Sofiyski St – trolleybus lines 2, 8, 9 and bus line 72.
- Through the Pencho Slaveykov Blvd – bus line 72

The National Palace of Culture Metro Station on the newly opened second metro line in Sofia is less than one kilometre from the complex, and at the crossing of the St. Georgi Sofiyski and Pencho Slaveykov Blvd and the crossing of the Ivan Geshov Blvd and Bulgaria Blvd, in the Hipodruma Residential Area, metro stations of the third metro line of Sofia are currently under construction and are expected to be commissioned in 2019.

3.3. Pedestrian and bicycle access

The pedestrian access to the “University of Medicine Sofia” is provided through the sidewalks of the adjacent streets. The commissioning of the third metro diameter is expected to increase the pedestrian traffic towards the National Palace of Culture. Currently, there are no proper conditions for convenient bicycle access to this territory. Nevertheless, according to Sofia Municipality's consistent policy with respect to the development of the bicycle transport, the design must take into consideration more extensive bicycle traffic in this area. The pedestrian traffic within the area is based on inner pedestrian alleys, passing through green inner areas and connecting the separate buildings within the complex.

III. REQUIREMENTS TO THE SOLUTION IN THIS COMPETITION

1. General description

Considering Client's investment intentions for modernization and expansion of the buildings of the University of Medicine – Sofia, the objective of this competition is to provide the Client with a concept design for the design and construction of a new, representative administrative and academic building, which will accommodate: Rector's Office of the University of Medicine, Deans' Offices of the Faculty of Medicine and of the Faculty of Public Health at the UMS, the centre/ department of physical education and sports, some chairs and laboratories of the FM. Apart from the administrative and representative part, the new building shall also accommodate an educational/academic area, hosting a number of seminar halls/auditoriums with modern furniture and equipment, offices, an individual simulations centre for the training of undergraduate and graduate students, residency etc., library, canteen-restaurant, cafe and sports and spa centre, a large congress centre providing options for the organization of diverse events and easily transformable to accommodate diverse events with varying number of visitors, underground parking and other utility premises.

2. Urban planning parameters and context

When preparing the design within this competition, full compliance should be ensured with the provisions of the effective urban planning documentation (DDP-ARDP) with respect to this territory, (Attachments TZ-1a and TZ-1b) and digital work file).

The planning permission (design visa) (Appendix TZ-2) stipulates for situating the new 6-floor building, subject matter of this project – within the area, outlined in a red dotted line. The urban planning parameters of the Public Services Area (Ps*), set out in the planning permission (design visa) are, as follows: *maximum development density – 30%; Intensity coefficient – 1,2; minimum greenery areas – 30%*- applicable to the entire RLP-I – „Hospital Complex”, also accommodating other buildings of the University of Medicine – Sofia, as well as buildings and areas of university hospitals, where clinical training of university students takes place. In order to ensure access to the new building, the ARDP makes provisions for the construction of a new street to the south.

When developing the design within this competition, integration of the building in the urban planning context should be ensured. The territory, situated to the west of the terrain for this building is to be used to design a public use (square) area, properly connected to the building and emphasizing its significance. The adjacent park area and alley network are to be included in the design, while preserving the existing trees.

3. Function and concept of use of the building

The proposal in this competition should include a developed concept for the following functional areas:

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1. Rector's Office of the University of Medicine – Sofia
2. Dean's Office of the Faculty of Medicine at the University of Medicine
3. Chairs "Medical Genetics", "Hygiene" and "Epidemiology" at the Faculty of Medicine
4. Faculty of Public Health at the University of Medicine
5. The Congress Centre
6. Educational rooms/halls - general purpose
7. Centre for Languages, Physical Education and Sports (CLPES)
8. Canteen – restaurant
9. Technical, utility premises and underground parking

The design should include suitable entrance and communication spaces (reception lobby, stairs, corridors, elevators etc.), connecting the separate functional areas.

The entrance lobbies and communication areas should provide public access and ensure accessible environment for people with disabilities (*according to Ordinance No. 4 of 2009 on the design, construction and maintenance of construction projects in accordance with the requirements for accessible environment for the general public, including people in disadvantaged position*), as well as the possibility that individual areas function independently, with access control, separately from the rest of the building. The situation of the area of the individual functional zones, units and parts thereof, shall be in accordance with the tables, enclosed to these terms of reference, considering the specific requirements of the separate functional areas (access, evacuation, stocking, representative functions etc.).

4. REQUIREMENTS REGARDING THE DESIGN OF THE INDIVIDUAL FUNCTIONAL AREAS

Client's requirements, applicable to the individual functional areas are detailed below:

4.1. RECTOR'S OFFICE OF THE UNIVERSITY OF MEDICINE

A functional area is to be designed, which will accommodate the administrative premises of Rector's Office of the University of Medicine - Sofia, as at the same time, it is to be connected to the administrative units, but this area should in general have proper access control, according to the allocation of the individual functional units.

There should be a gradation in the size of the premises, based on the hierarchic structure. All premises, which will accommodate workplaces, shall be provided with natural lighting and ventilation. The representative nature, authority and significance of this area are to be taken into consideration, both in the corridors and in the various premises/rooms. Sitting arrangements should be provided in the common areas. Solutions for permanent representative exhibition of pictures, photographs, sculptures or digital images should be proposed.

4.2. DEAN'S OFFICE OF THE FACULTY OF MEDICINE AT THE UNIVERSITY OF MEDICINE

A functional area is to be designed, which shall accommodate the administrative premises of Dean's Office of the Faculty of Medicine at the "University of Medicine". This area should be well connected to the area of Rector's Office of the UM, as well as to the lecture halls and the congress centre. This area must also be separated, by means of access control. All workplaces must be provided with natural lighting and ventilation, and the dimensions and allocation of the premises should correspond to the hierarchic structure in the area.

There are no specific requirements regarding the furniture, equipment and flooring of the administrative offices.

4.3. FACULTY OF PUBLIC HEALTH (FPH) AT THE UNIVERSITY OF MEDICINE

A functional area is to be designed, which shall accommodate the administrative premises of the FPH (Faculty of public health). As with all other areas, there should be easy and fast connections to the rest of the building, with the option to separate individual areas with access control. All the areas, designed to accommodate permanent workplaces must be provided with natural lighting and ventilation.

A list of the functional units and premises intended for the area of the Faculty of Public Health, as well as their recommended floor areas, can be found in the table below.

This area, apart from the administrative premises, must also contain educational rooms/halls for the students, majoring as "Nurse", "Midwife/Maternity Nurse", "Kinesitherapy", "Doctor's Assistant", "Vocational Medicine", as well as two computer rooms. These rooms must meet all the applicable standards for designing educational rooms/halls. They must be provided with natural lighting and ventilation. The educational rooms/halls must be grouped together and connected to the other educational/academic premises of the other faculties.

The specific equipment of these rooms/halls falls beyond the scope of the concept design within this competition.

4.4. CHAIRS OF MEDICAL GENETICS, HYGIENE AND EPIDEMIOLOGY AT THE FACULTY OF MEDICINE

A common functional area is to be designed, which shall accommodate the administrative and educational premises of the chairs of Genetics, Hygiene and Epidemiology. The educational halls/rooms shall be designed as part of a common educational section or floor, and the administrative premises must be directly connected to the rest of the administration.

The specific equipment of these rooms/halls falls beyond the scope of the concept design within this competition.

4.5. THE CONGRESS CENTRE

A multifunctional hall - Aula Maxima - will be constructed. This hall will become one of the key functional and composition centres of the building. The proposed design shall make it possible for the hall to be used also for events, which are not directly related to the educational process. Therefore, there should be an option to provide the hall with a separate entrance, as well as for separation of Aula's access spaces. The communication spaces, adjacent to the hall, shall be provided with areas to be available for exhibitions, placement of temporary exposition stalls, cocktail parties and other events, as for this purpose, these areas should be connected to the main kitchen of the canteen-restaurant. The basic capacity of the Aula, if it is used as a lecture auditorium, shall be approximately 500 people. The rows of seats must be arranged amphitheatrically, ensuring the best possible visibility. In order to achieve maximum efficiency of the spaces, the hall must be usable for various purposes (lectures, presentations, performances, conferences, screenings, ceremonies etc.). Highly esthetical and acoustically appropriate interior solutions should be proposed.

Adjacent and directly connected to the "Aula Maxima" there shall be four separate halls. The halls should be arranged in such a manner that they can function together with the "Aula Maxima", together with each other or independently.

The main entrance lobby must accommodate a cloakroom, with dimensions, corresponding to the maximum capacity of all halls, as it is recommended that the cloakroom is divided into separate rooms.

There shall be seats for people in disadvantaged position.

When dimensioning the rows and the allocation of chairs, the good visibility for various types of events (lectures, presentations, performances, screenings) should always be kept in mind. The choice of chairs and their allocation must be in line with the use of the hall for conferences, and therefore the chairs must be provided with appropriate writing boards (with suitable mechanical attachment).

A platform/stage must be designed so that it can be used for various events, and it must be equipped with a retracting screen and projection equipment.

All necessary premises for the proper functioning of the systems, installed in the hall and on the stage, must be provided. Storage, dressing- and sanitary rooms must be provided adjacent and directly connected to the stage.

The four other halls must be usable both independently and together, in various configurations, as well as – if possible – together with the "Aula Maxima". These halls are not required to be amphitheatrically shaped. The chairs and tables in these halls must be portable.

4.6. COMMON REQUIREMENTS TO THE EDUCATIONAL HALLS/ROOMS

The building is to be provided with various educational offices and halls. Their allocation must ensure easy access, both from the entrance lobbies of the building, and from the areas, where the administrative premises of Rector's Office of the University of Medicine

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and of Dean's Office of the Faculty of Medicine are situated. A part of the educational halls/rooms will be used for lectures/seminars of the Faculty of Public Health (FPH) and the Centre of Languages, Physical Education and Sports (CLPES). The halls must be designed with modern technologies for delivering lectures and presentations – use of computer technologies, multimedia presentations, videoconference seminars etc. In the halls, with capacity of over 100 people, the seats shall be arranged amphitheatrically. Proper shading and light dispersing equipment will be provided in order to ensure proper natural lighting. There shall be premises/rooms for the establishment of a Medical simulations training centre, which will offer education and training to both undergraduates and doctors – in specialization or residency/PhD programmes, in various specialties.

4.7. CENTRE/DEPARTMENT FOR LANGUAGES, PHYSICAL EDUCATION AND SPORTS (CLPES)

This area consists of three individual units. One is administrative, the second – educational and the third unit – sports.

A functional unit shall be developed, to accommodate the administrative premises of the CLPES. The area, where these premises will be situated, is to be connected to the rest of the building, but it should also allow separation, a separate entrance and access control. All areas, which will accommodate workplaces and educational rooms/halls shall be provided with natural lighting and ventilation.

Within the CLPES area, there shall be a Centre of physical education and sports, as well as a spa centre with sauna, steam bath, massage booths, gym and a relaxation area with a separate reception desk. A multi-purpose sports hall will be constructed, as well as two smaller additional halls for individual sports.

4.8. CANTEEN – RESTAURANT

A canteen-restaurant is to be designed, providing self-service, buffet, as well as full service options. It should be conveniently connected to the Aula Maxima as well as to the cocktail party area, which shall be organized in the foyer to the hall.

The following requirements shall be taken into consideration, when designing the restaurant:

- The dining room should be connectible to a terrace or open space outdoors, which would allow the placement of tables, in case of suitable weather conditions.
- A fully-equipped kitchen shall be designed, sufficient for the capacity of the dining room, as well as for organizing the catering of events, related to the use of the "Aula Maxima".
- A storage room shall also be designed, to be used by the kitchen, for the storage of household waste and for stocking other facilities (cafes and refreshment establishment in the reception areas of the building etc.).

4.9. TECHNICAL, UTILITY PREMISES AND UNDERGROUND PARKING

The premises in this area do not need to be gathered at one place, the designer may choose to allocate these premises as to suit the needs of the other areas.

In order to ensure proper functioning of the building the following groups and premises shall be designed:

a. Public service rooms and premises:

- At the ground level there shall be bookstores. It is preferable that these are accessible both from the inside – the reception area and from a separate entrance from outside, enabling such premises to function independently.
- A suitable number of cafes and other establishments for drinks, refreshments, snacks, newspapers etc should be designed.
- At each level there shall be washrooms, properly dimensioned, based on the number of people on each floor. The washrooms will include toilettes for people in disadvantaged position. “Aula Maxima” sanitary premises must be located close to its exits and designed in such a manner, as to allow the independent functioning of the hall from the rest of the building.
- In a part of the reception areas, there shall be areas for exhibitions, as well as areas, allowing the gathering of people for various events.
- Lockers shall be designed, allowing the storage of luggage with a capacity of 500 pcs.

b. Utility premises

- Video-surveillance rooms
- Premises for security officers/guards with dressing room and showers
- Premises for service staff with dressing rooms and showers
- Storage rooms – inventory, products, maintenance etc.
- Archive, equipped with mobile rack system for each unit of the building
- Other necessary premises

c. Technical premises

- Premises for the HVAC system – according to the chosen systems
- Emergency fire-extinguishing systems room – tank, pumping room etc.
- Premises for the water-supply and sewerage systems - according to the chosen systems
- Main distribution board and other premises for the electric system, depending on the systems chosen
- Distribution room for high-voltage systems on every floor

TECHNICAL BRIEFING

- Distribution room for low-voltage systems on every floor
- Server room
- Other necessary technical premises at designer's discretion

d. Underground parking

In the building there will be an underground parking in two levels, only for office cars and for delivery and stocking of the separate facilities. The participants should dimension the underground parking, based on the proposed functional solution and structure, avoiding excessive costs.

5. ROOF

A specific requirement of the Client is to design a usable landscaped roof terrace, with resting areas, providing options for organizing events. The installation of solar systems in order to improve the energy efficiency of the building should be considered an option.

IV. ARCHITECTURAL APPEARANCE

The design must combine modern architectural trends with the significance and solemnity of the university institution. It should correspond to the adjacent architectural environment, while at the same time it should have a characteristic artistic appearance. The architectural appearance of the building should suggest that the value of human life is the ultimate goal of the doctor/healers.

Optimal integration with the surrounding park areas must be achieved, without compromise to the main function of the building. The design should make it possible for it to become a significant public and attractive centre for the student and academic community of the University of Medicine.

The design must achieve symbiosis between the architectural shapes and the solemnity of the academic institution, as well as persuasiveness of the architectural and design appearance.

When developing indoor spaces, proper measures should be taken for passive air-conditioning of the building (vertical air movement) in order to achieve a favourable microclimate, as well as artificial ventilation and air-conditioning of the halls and spaces, where this is necessary and expedient.

Energy efficiency of the building according to the scale of energy consumption classes of universities, as per ORDINANCE No. E-PД-04-2 of 22.01.2016 on the indicators of energy consumption and energy characteristics of the buildings should be with a minimum energy consumption class "B" or higher.

The design must should make provisions for the use of modern, durable, easy to maintain materials.

V. REGULATORY DOCUMENTS

The designs must meet all the applicable laws and regulations in the Republic of Bulgaria, as well as any amendments thereto, regulating the preparation of this design. A list of the laws and regulations, effective as of 31.01.2018 on the regional development, territorial development, geodesy, cartography and cadastre, design, performance and supervision of the construction, is available at:

<http://www.dnsk.mrrb.government.bg/ui/Home.aspx?0ZKDwUgLUJpDpU6ocaJFwuOmO6Y83hrrcN9HPNIKK5dfe62kd2ggg%3d%3d>

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

VI. TABLE OF THE PREMISES AND AREAS OF THE BUILDING

ALLOCATION OF THE AREAS

No.	MINIMUM BUILT-UP AREA (at least) m ²	Pcs	TOTAL m ²	SUGGESTED LEVELS	PREMISES/ROOMS
A			2654		Public service rooms and premises
A.1.1.	1800	1	1800	level I-VI	Common areas and washrooms
A.1.2.	120	1	120	level I-III	Book-stores and copying centre
A.1.3.	18	3	54	level I-III	Cafes
A.1.4.	80	1	80	level I-III	Front-office and Clerks Office
A.1.5.	480	1	480	level I-III	Reception spaces
A.1.6.	120	1	120	level I-III	Lockers with a capacity for 500 people
B			1402		Utility premises
B.1.1.	12	1	12	basement	Premises for video-surveillance
B.1.2.	30	1	30	basement	Premises for the security guards with dressing room and showers
B.1.3.	60	1	60	basement	Premises for the attending staff with dressing room and showers
B.1.4.	400	1	400	basement	Storage rooms
B.1.5.	600	1	600	basement	Archive
B.1.6.	300	1	300	basement	Other necessary premises
C			904		Technical premises
C.1.1.	60	1	60	basement	Premises/rooms for the HVAC systems
C.1.2.	400	1	400	basement	Premises/rooms for emergency fire-fighting
C.1.3.	60	1	60	basement	Premises/rooms for water-supply and sewerage systems
C.1.4.	30	1	30	basement	Main distribution board and other electricity system premises
C.1.5.	12	1	12	basement	Distribution room for high-voltage systems on every floor
C.1.6.	12	1	12	basement	Distribution room for low-voltage systems on every floor
C.1.7.	30	1	30	basement	Server room
C.1.8.	300	1	300	basement	Other necessary technical premises
D			660		Canteen - restaurant
D.1.1	300	1	300	level I-III	Canteen-restaurant - several types of rooms
D.1.2.	240	1	240	level I-III	Canteen-restaurant - Kitchen
D.1.3.	120	1	120	level I-III	Canteen-restaurant - storage rooms
E			2056		The congress centre

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

E.1.1.	300	1	300	level I-III	Aula Maxima - Entrance and communication areas, exhibition areas, cloakroom
E.1.2.	600	1	600	level I-III	Aula Maxima - Hall area
E.1.3.	90	1	90	level I-III	Aula Maxima - Stage
E.1.4.	12	1	12	level I-III	Aula Maxima - Lighting room
E.1.5.	6	1	6	level I-III	Aula Maxima - Sound-engineer cabin
E.1.6.	12	1	12	level I-III	Aula Maxima - Multimedia control room
E.1.7.	6	2	12	level I-III	Aula Maxima - Simultaneous interpretation booth
E.1.8.	10	1	10	level I-III	Aula Maxima - other necessary premises
E.1.9.	12	1	12	level I-III	Aula Maxima - Other storage premises
E.1.10.	12	1	12	level I-III	Aula Maxima - Restrooms/wash-rooms
E.1.11.	18	1	18	level I-III	Aula Maxima - Manager's Office
E.1.12.	12	1	12	level I-III	Aula Maxima - other necessary premises
E.1.13.	240	4	960	level I-III	4 separate halls of 240 sq.m. each, providing options for joining the spaces and functional connection to the Aula Maxima
F			7680		Educational rooms/halls - common
F.1.1.	480	2	960	level I-III	Lectures hall with 250 seats
F.1.2.	240	4	960	level I-III	Lectures hall with 120 to 135 seats
F.1.3.	180	12	2160	level I-III	Lectures hall with 80 seats
F.1.4.	60	50	3000	level I-III	Seminar hall with 20-25 seats
F.1.5.	200	3	600	level I-III	Simulations centre
G			1184		Dean's Office Faculty of Medicine at the UM Sofia
G.1.1	36	1	36	level IV-V	Dean - office
G.1.2	6	1	6	level IV-V	Dean - washroom
G.1.3	18	1	18	level IV-V	Dean - Secretaries Office
G.1.4	48	1	48	level I-III	Dean - Clerks Office - 4 workplaces
G.1.5	24	1	24	level IV-V	Dean - premises/rooms for current archives
G.1.6	12	1	12	level IV-V	Dean - housekeeper and warehouse - 1 workplace
					Financial Supervisor and Legal Adviser Department
G.1.7	18	1	18	level IV-V	Financial Supervisor Office
G.1.8	18	1	18	level IV-V	Legal Adviser Office
					Administrative department
G.1.9	18	1	18	level IV-V	Administrative department manager's office
G.1.10	18	1	18	level IV-V	Office - administrative secretary
G.1.11	18	1	18	level IV-V	Organizer
G.1.12	12	1	12	level IV-V	Courier
G.1.13	12	1	12	level IV-V	Driver
G.1.14	12	1	12	level IV-V	Head of warehouse
G.1.15	12	1	12	level IV-V	Archive keeper
G.1.16	12	1	12	level IV-V	Premises/rooms for current archives

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

Student services office - Bulgarian Students Sector					
G.1.17	24	1	24	level IV-V	Sector Manager
G.1.18	42	2	84	level IV-V	Experts - 3 workplaces
G.1.19	24	1	24	level IV-V	Inspector - 2 workplaces
G.1.20	30	1	30	level IV-V	Areas in front of the offices for the placement of information boards, TVs, benches, tables
G.1.21	12	1	12	level IV-V	Premises/rooms for current archives
G.1.22	24	1	24	level IV-V	Office - Deputy-Dean
Student services office - Foreign Students Sector					
G.1.23	24	1	24	level IV-V	Sector Manager
G.1.24	42	2	84	level IV-V	Experts - 3 workplaces
G.1.25	24	1	24	level IV-V	Inspector - 2 workplaces
G.1.26	30	1	30	level IV-V	Areas in front of the offices for the placement of information boards, TVs, benches, tables
G.1.27	12	1	12	level IV-V	Premises/rooms for current archives
G.1.28	24	1	24	level IV-V	Office - Deputy-Dean
Financial Department					
G.1.29	18	1	18	level IV-V	Department Manager
G.1.30	18	1	18	level IV-V	Deputy Chief Accountant
G.1.31	18	1	18	level IV-V	Taxation Economist
G.1.32	24	2	48	level IV-V	Operational Accountant - 2 workplaces
G.1.33	18	1	18	level IV-V	Accounting Cashier - 2 workplaces
G.1.34	24	1	24	level IV-V	Premises/rooms for current archives
HR Department					
G.1.35	18	1	18	level IV-V	Department Manager
G.1.36	18	1	18	level IV-V	Expert
G.1.37	36	1	36	level IV-V	Labour Operations Organizer - 3 workplaces
G.1.38	12	1	12	level IV-V	Administrative secretary
G.1.39	18	1	18	level IV-V	Premises/rooms for current archives
Courses and Individual Training Sector					
G.1.40	18	1	18	level IV-V	Department Manager
G.1.41	24	1	24	level IV-V	Experts - 2 workplaces
G.1.42	18	1	18	level IV-V	Premises/rooms for current archives
G.1.43	24	1	24	level IV-V	Office - Deputy-Dean
R&D and Scientific Staff Development Sector					
G.1.44	24	1	24	level IV-V	Department Manager
G.1.45	24	1	24	level IV-V	Experts - 2 workplaces
G.1.46	18	1	18	level IV-V	Premises/rooms for current archives
G.1.47	24	1	24	level IV-V	Office - Deputy-Dean
Sector Educational Process Monitoring and Development					
G.1.48	24	1	24	level IV-V	Sector Manager (Deputy-Dean)

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

G.1.49	18	1	18	level IV-V	Database Programmer - 2 workplaces
G.1.50	12	1	12	level IV-V	System Administrator
G.1.51	12	1	12	level IV-V	Housekeeper Room
G.1.52	8	1	8	level IV-V	Cleaner Room
H			2820		Faculty of Public Health (FPH)
H.1.1	36	1	36	level III-IV	Dean - office
H.1.2	6	1	6	level III-IV	Dean – washroom
H.1.3	18	1	18	level III-IV	Dean - Secretaries Office
H.1.4	60	1	60	level III-IV	Meeting Room
H.1.5	24	4	96	level III-IV	Deputy-Dean
					Chair of Health Management
H.1.7	18	1	18	level III-IV	Chair Head
H.1.8	30	6	180	level III-IV	Office - lecturers - 2 workplaces
					Chair of Medical Ethics
H.1.9	18	1	18	level III-IV	Chair Head
H.1.10	30	3	90	level III-IV	Office - lecturers - 2 workplaces
				level III-IV	Chair of Health Care
H.1.11	18	1	18	level III-IV	Chair Head
H.1.12	30	10	300	level III-IV	Office - lecturers - 3 workplaces
				level III-IV	Chair of Medical Pedagogy
H.1.13	18	1	18	level III-IV	Chair Head
H.1.14	30	4	120	level III-IV	Office - lecturers - 2 workplaces
					Chair of preventive Medicine
H.1.15	18	1	18	level III-IV	Chair Head
H.1.16	30	4	120	level III-IV	Office - lecturers - 2 workplaces
					Chair of Kinesitherapy
H.1.17	18	1	18	level III-IV	Chair Head
H.1.18	30	6	180	level III-IV	Office - lecturers - 2 workplaces
				level III-IV	Chair of Economy of Health
H.1.19	18	1	18	level III-IV	Chair Head
H.1.20	30	6	180	level III-IV	Office - lecturers - 2 workplaces
					Chair of Social Medicine
H.1.21	18	1	18	level III-IV	Chair Head
H.1.22	30	4	120	level III-IV	Office - lecturers - 2 workplaces
					Chair of Health Technology Evaluation
H.1.23	18	1	18	level III-IV	Chair Head
H.1.24	30	3	90	level III-IV	Office - lecturers - 2 workplaces
					Chair of Vocational Medicine
H.1.25	18	1	18	level III-IV	Chair Head
H.1.26	30	4	120	level III-IV	Office - lecturers - 2 workplaces
					Undergraduate Services Department
H.1.27	18	1	18	level III-IV	Head of Department
H.1.28	24	1	24	level III-IV	Sector Manager (Deputy-Dean)

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

H.1.29	42	3	126	level III-IV	Experts - 3 workplaces
H.1.30	24	2	48	level III-IV	Inspector - 2 workplaces
					Administration
H.1.31	24	1	24	level III-IV	Manager
H.1.32	18	1	18	level III-IV	Chief accountant
H.1.33	24	2	48	level III-IV	Operational Accountant
H.1.34	12	1	12	level III-IV	Financial supervisor
H.1.35	12	1	12	level III-IV	Cashier
H.1.36	36	1	36	level III-IV	Archive room
H.1.37	18	1	18	level III-IV	Housekeeper
H.1.38	12	2	24	level III-IV	Technical Assistant
H.1.39	12	1	12	level III-IV	Driver
H.1.40	12	1	12	level III-IV	Cleaner Room
H.1.41	30	1	30	level III-IV	Refreshment bar and restroom
					Halls for the students, majoring in
H.1.42	30	4	120	level III-IV	"Nurse" and "Midwife/Maternity Nurse" - 15 seats
H.1.43	30	4	120	level III-IV	"Kinesitherapy" - 15 seats
H.1.44	30	4	120	level III-IV	Doctor's Assistant - 15 seats
H.1.45	30	1	30	level III-IV	Vocational Medicine
H.1.46	36	2	72	level III-IV	Computer room - 12 seats
I			2320		Centre for Languages, Physical Education and Sports (CLPES)
I.1.1	30	1	30	level III-IV	Director - Manager (CLPES)
I.1.2	24	1	24	level III-IV	Chief accountant
I.1.3	24	1	24	level III-IV	Cashier
I.1.4	24	1	24	level III-IV	Educational Activities Organizer 2 workplaces
I.1.5	36	2	72	level III-IV	Physical education and sports lecturer - one office - with 6 workplaces
I.1.6	36	4	144	level III-IV	Languages lecturer - one office - with 6 workplaces
I.1.7	48	13	624	level III-IV	Lecture hall for languages - 16 seats
I.1.8	60	4	240	level III-IV	Lecture hall for languages - 26 seats
I.1.9	18	1	18	level III-IV	Archive
					Centre of Physical Education and Sports
I.1.10	200	1	200	basement	Multi-purpose sports hall
I.1.11	12	1	12	basement	Reception desk
I.1.12	240	1	240	basement	Gym for 26 people
					Dressing rooms
I.1.13	36	1	36	basement	For men, with a total capacity for 20 people
I.1.14	36	1	36	basement	For women, with a total capacity for 20 people
I.1.15	100	2	200	basement	Separate sports hall for team sports for up to 20 people
I.1.16	240	1	240	basement	Spa centre

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

I.1.17	6	1	6	basement	Sauna
I.1.18	6	3	18	basement	Steam bath
I.1.19	18	4	72	basement	Massage and physical therapy booths
I.1.20	60	1	60	basement	Relaxation area
J			1826		Rector's Office University of Medicine Sofia
J.1.1	60	1	60	level VI	Rector - Office
J.1.2	6	1	6	level VI	Rector - washroom
J.1.3	18	1	18	level VI	Rector - Secretaries Office
J.1.4		1		level VI	Restroom with kitchen
J.1.5	12	1	12	level VI	PR Expert - 1 workplace
J.1.6	24	1	24	level VI	Adviser - 2 workplaces
J.1.7	120	1	120	level VI	Academic Council Hall with 60 seats
J.1.8	18	1	18	level VI	Financial supervisor
J.1.9	24	1	24	level VI	Legal adviser - 2 workplaces
J.1.10	24	1	24	level VI	Board of Trustees
					Administrative and Economic Department
J.1.11	18	1	18	level VI	Manager
J.1.12	12	1	12	level VI	Chief secretary
J.1.13	12	1	12	level VI	Administrative secretary - Secretaries Office
J.1.14	12	1	12	level VI	Economist
J.1.15	12	1	12	level VI	Expert
J.1.16	12	1	12	level VI	Janitor
J.1.17	12	1	12	level VI	Housekeeper
J.1.18	24	1	24	level I-III	Clerks Office - 2 workplaces
J.1.19	12	1	12	level VI	Driver and Courier
J.1.20	12	1	12	level VI	Organizer
J.1.21	24	1	24	level VI	Organizational Activities and HSE
					Financial Resources Department
J.1.22	24	1	24	level VI	Department Manager
J.1.23	18	2	36	level VI	Deputy Chief Accountant
J.1.24	18	1	18	level VI	Accountant - payments
J.1.25	24	4	96	level VI	Operational Accountant - 2 workplaces
J.1.26	12	1	12	level VI	Cashier
J.1.27	18	1	18	level VI	Financial manager
J.1.28	12	1	12	level VI	Secretaries Office
					HR Department
J.1.29	24	1	24	level VI	Department Manager
J.1.30	12	1	12	level VI	HR Specialist
J.1.31	12	1	12	level VI	Labour Operations Organizer
					Public Procurement Department
J.1.32	24	1	24	level VI	Department Manager
J.1.33	18	1	18	level VI	PP Economist
J.1.34	12	1	12	level VI	Legal adviser
J.1.35	42	1	42	level VI	PP Experts - 3 workplaces

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

J.1.36	24	1	24	level VI	Premises/rooms for current archives
					Capital Construction Department
J.1.37	18	1	18	level VI	Department Manager
J.1.38	30	1	30	level VI	Experts - 3 workplaces
J.1.39	60	1	60	level VI	Experts - 2 workplaces
J.1.40	18	1	18	level VI	Premises/rooms for current archives
J.1.41	48	2	96	level VI	Meeting Room - 20 seats
					University Electronic Information and Educational Centre (UEIEC)
J.1.42	18	1	18	level VI	Department Manager
J.1.43	20	1	20	level VI	Programmers - 3 workplaces
					Department "International Integration and Project Financing" (MIPF)
J.1.44	18	1	18	level VI	Department Manager
J.1.45	24	2	48	level VI	Experts - 2 workplaces
J.1.46				level VI	PF Agreements Management Sector
J.1.47	12	1	12	level VI	Sector Manager
J.1.48	12	1	12	level VI	Legal adviser
J.1.49	12	1	12	level VI	Financial supervisor
J.1.50	12	1	12	level VI	Expert
J.1.51	12	1	12	level VI	Responsible accountant
J.1.52	24	1	24	level VI	Deputy Rector for Post-Graduate Studies and University-Hospital Coordination
J.1.53	12	1	12	level VI	Secretaries Office
					Department for Post-Graduate Studies and University-Hospital Coordination
J.1.54	18	1	18	level VI	Department Manager
J.1.55	24	4	96	level VI	Experts - 2 workplaces
J.1.56	12	1	12	level VI	Specialist
J.1.57	24	1	24	level VI	Deputy Rector of Educational Activities
J.1.58	12	1	12	level VI	Secretaries Office
					Educational Department
J.1.59	18	1	18	level VI	Department Manager
J.1.60	24	3	72	level VI	Experts - 2 workplaces
	24	1	24	level VI	Deputy Rector - science and accreditation
J.1.61	12	1	12	level VI	Secretaries Office
					Department science and accreditation
J.1.62	18	1	18	level VI	Department Manager
J.1.63	12	1	12	level VI	Expert
J.1.64	12	1	12	level VI	Inspector
					Accreditation Sector
J.1.65	18	1	18	level VI	Sector Manager
J.1.66	24	2	48	level VI	Accreditation Sector - Experts - 2 workplaces
J.1.67	18	1	18	level VI	Accreditation Sector - Legal adviser
J.1.68	24	1	24	level VI	Deputy Rector of International Activities
J.1.69	12	1	12	level VI	Secretaries Office

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

					Competence Centre for Health Analyses (CCHA)
J.1.70	18	1	18	level VI	Coordinator
J.1.71	24	1	24	level VI	Experts - 2 workplaces
J.1.72	60	1	60	level VI	Students' Council
K			1150		Genetics Chair
K.1.1	24	1	24	level III-IV	Head of Chair – “Genetics “
K.1.2	18	3	54	level III-IV	Lecturers Office - 1 workplace
K.1.3	20	1	20	level III-IV	Office - for medical and genetic consulting
K.1.4	20	1	20	level III-IV	Archive
K.1.5	72	1	72	level III-IV	Housekeeper and 2 storage rooms
K.1.6	24	10	240	level III-IV	Assistants office - 2 workplaces
K.1.7	54	6	324	level III-IV	Seminar hall - 20 seats
					R&D, diagnostic and laboratory complex at the Chair of “Genetics“
K.1.8	42	1	42	level III-IV	Educational laboratory
					Cytogenic laboratory
K.1.9	24	1	24	level III-IV	Cell Cultivation Box
K.1.10	24	1	24	level III-IV	Processing room
K.1.11	24	1	24	level III-IV	Microscope office -
					Molecular and Cytological Laboratory
K.1.12	24	1	24	level III-IV	Processing room
K.1.13	18	1	18	level III-IV	Darkroom
K.1.14	24	1	24	level III-IV	Microchip analysis
					Molecular-genetic and genomic laboratory
K.1.15	24	1	24	level III-IV	Laboratory
K.1.16	12	1	12	level III-IV	Sector for receiving biological samples
K.1.17	24	1	24	level III-IV	Laboratory for the isolation of biological samples in two sectors
K.1.18	24	1	24	level III-IV	Laboratory for the preparation of biological samples
K.1.19	12	1	12	level III-IV	Dark premises for UV readings
K.1.20	24	1	24	level III-IV	Genetic and genomic research sector
K.1.21	24	1	24	level III-IV	Results analysis sector
K.1.22	20	2	40	level III-IV	Storage room for biological samples
K.1.23	32	1	32	level III-IV	Sector for proteomic analysis
L			782		Катедра „Hygiene“
L.1.1	36	1	36	level III-IV	Head of Chair - „Hygiene“
L.1.2	10	1	10	level III-IV	Secretaries Office
L.1.3	24	7	168	level III-IV	Lecturers Office - 2 workplaces
L.1.4	16	1	16	level III-IV	Computers Office
L.1.5	36	1	36	level III-IV	Computer Room - 8 seats

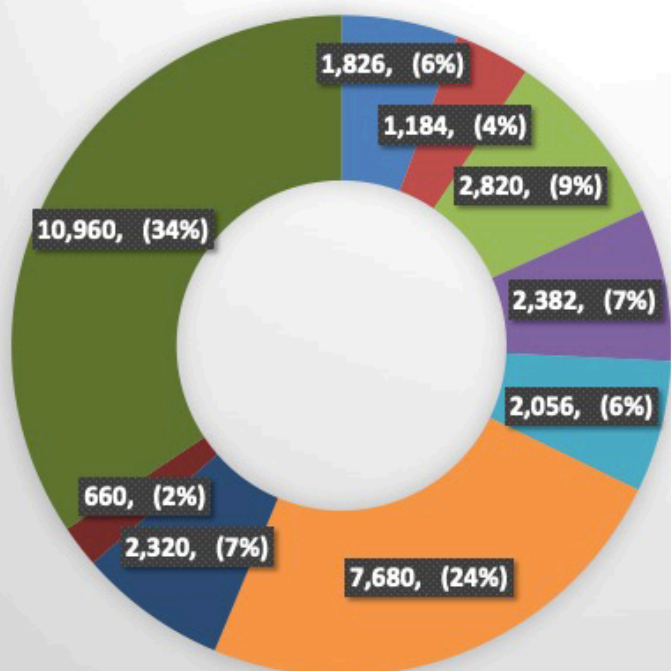
TABLE OF THE PREMISES AND AREAS OF THE BUILDING

L.1.6	36	4	144	level III-IV	Lectures hall for practical seminars
L.1.7	60	4	240	level III-IV	Seminar hall - 30 seats
L.1.8	48	2	96	level III-IV	Educational laboratory
L.1.9	18	1	18	level III-IV	Educational ward
L.1.10	18	1	18	level III-IV	Chemical warehouse
M			450		“Epidemiology“ Chair
M.1.1	24	1	24	level III-IV	Head of Chair - „Epidemiology“
M.1.2	18	1	18	level III-IV	Lecturers Office - 1 workplace
M.1.3	18	7	126	level III-IV	Assistants office - 1 workplace
M.1.4	48	3	144	level III-IV	Seminar hall - 20 seats
M.1.5	60	2	120	level III-IV	Seminar hall - 30 seats
M.1.6	18	1	18	level III-IV	Housekeeper and storage room
			25 888		ОБЩА РАЗГЪНАТА ЗАСТРОЕНА ПЛОЩ
N					Premises in the underground levels
N.1.1.	3000	2	6000	basement	Underground parking 2 levels
N.1.2.	1402		1402	basement	Total areas of the "Utility premises"
N.1.3.	904		904	basement	Total areas of the "Technical premises"
N.1.4.	954		1120	basement	Total areas of the "Centre of Physical Education and Sports"
			9426		TOTAL AREA OF THE UNDERGROUND LEVELS

Note: All administrative premises, for which no specific number of workplaces is indicated in the table, shall be considered to have 1 workplace.

TABLE OF THE PREMISES AND AREAS OF THE BUILDING

Total Areas and Ratios



- Rector's Office of the University of Medicine – Sofia J
- Dean's Office of the Faculty of Medicine at the University of Medicine G
- Faculty of Public Health at the University of Medicine H
- Chairs "Medical Genetics", "Hygiene" and "Epidemiology" at the Faculty of Medicine K, L, M
- Events and Workshops Centre E
- Educational rooms/halls F
- Centre for Languages, Physical Education and Sports (CLPES) I
- Canteen – restaurant D
- Technical, utility premises and underground parking, A, B, C, N

GUIDELINES ON THE SUBMISSION OF THE DESIGN FOR THE COMPETITION

VII. GUIDELINES ON THE SUBMISSION OF THE DESIGN FOR THE COMPETITION

1. Contents of the design set for the competition

The participants in the competition shall produce and submit a concept design. The design shall contain one solution. The submission of multiple options is prohibited.

The materials sent must have no visible marks, signatures, codes etc., in order to ensure the anonymous nature of the competition.

The contents of the design within this competition, including graphical and textual materials, are detailed below.

2. Mandatory graphical attachments

- Situation: In appropriate scale 1:500 and/or 1:1000, showing the situation of the building, contact areas and approaches.
- Floor-plans: Scale 1:200 and/or 1:100, showing all the floor-plans and the roof plan
- Sections: At least four characteristic sections, at least two through stairs, clarifying the design solution, with specified heights, terrain levels etc.
- All the exterior walls of the building – 1:200 with at least two fragments per wall – Scale 1:50 or 1:100
- 3D visualizations: using appropriate presentation techniques and scale (renders, collages, composite pictures, scale model photos, perspective section) to clearly present the exterior and interior design (at least one visualization of the interior and the lobby and Aula Maxima).
- Other attachments: At participant's discretion, including plans, diagrams, layouts and other materials, clarifying the concept and design

The compulsory graphical attachments must be presented in the ALBUM and BOARDS, as specified above.

3. ALBUM with graphical and text attachments

The Album shall be presented on paper in A3 format and on a CD, as one file in pdf file format, named ALBUM. Contents of the album:

- Concept description (up to 1000 words)

GUIDELINES ON THE SUBMISSION OF THE DESIGN FOR THE COMPETITION

- Design description, including notes on the following parts of the design: structures, electrical systems, HVAC, water-supply and sewerage, park design/landscaping (up to 800 words each)
- All graphical attachments detailed in item 1, presented in appropriate scale
- Table with the areas of all interior premises and exterior areas (including greenery), total floor area of the building and design cost of the building. (Appendix TZ-5)

4. Design presentation BOARDS

The boards shall present compulsory graphical attachments, as listed in item 2. The participants may – at their sole discretion – include additional attachments, to be presented on the boards.

- Format of the boards: A0 841x1189 cm
- Number of the boards: 5 pcs.

VIII. EVALUATION METHODS

The designs shall be evaluated, based on the three criteria (C1, C2, C3) , which will result in an overall grade (C), and the estimated construction cost of the project (EC) shall be added to it, to arrive at the final complex rating (CR).

Each jury member shall carry out their own evaluation, assigning the respective number of points per each criterion for each design, in a **rating table**. The number of points is assigned, based on the specified maximum number of points for the respective criterion.

The ultimate rating per criterion shall be formed as the average mean of the individual ratings, assigned by the individual jury members.

The design that has received the highest complex rating, shall rank first. Similarly, the participants shall rank second, third etc., in a descending order.

1. Evaluation criteria

C1 (Criterion 1) - Fulfilment of the functional requirements

Evaluated, according to this criterion shall be the functional solution, in terms of compliance of the solution with Client's functional requirements, tasks and objectives

Maximum rating – 35 points

*a) The submitted design fully covers Client's requirements, regarding the planning solution, the functional connections and the specified areas, offering additional improvement options and options for upgrading project's functionality – **35 points**;*

*b) The submitted design fully covers Client's requirements, regarding the planning solution, the functional connections and the specified areas – **20 points**;*

*c) The submitted design covers partially Client's requirements, regarding the planning solution, the functional connections and the specified areas – **8 points**;*

*d) The submitted design fails to cover Client's requirements, regarding the planning solution, the functional connections and the specified areas – **0 points**.*

C2 (Criterion 2) – Spatial and aesthetic concept

Evaluated, according to this criterion shall be the achievement aesthetic qualities with emotional impact, through the cogency of the architectural and design appearances, conformity of the solution with the purpose and use of the project, as well as proper integration with the environment (future and existing).

EVALUATION METHODS

Maximum rating – 35 points

*a) The submitted design is characterized by aesthetic qualities with emotional impact, the architectural and design appearances are very convincing, the solution is in conformity with the purpose and use of the project and there are proposed solutions, contributing to its integration with the environment – **35 points**;*

*b) The submitted design is characterized by aesthetic qualities with emotional impact through the cogency of the architectural and design appearances, the solution is in conformity with the purpose and use of the project, but there are no proposed solutions, contributing to its integration with the environment – **20 points**;*

*c) The submitted design is characterized by aesthetic qualities with emotional impact through the cogency of the architectural and design appearances, but the solution is not in conformity with the purpose and use of the project and there are no proposed solutions, contributing to its integration with the environment – **8 points**;*

*d) B the submitted design is not characterized by aesthetic qualities with emotional impact through the cogency of the architectural and design appearances, the solution is not in conformity with the purpose and use of the project and there are no proposed solutions, contributing to its integration with the environment – **0 points**;*

C3 (Criterion 3) - Originality and justification of the architectural and spatial, and engineering solutions

Evaluated, according to this criterion shall be the originality and justification of the architectural and spatial, and engineering solutions and their feasibility.

Maximum rating – 20 points

*a) The submitted design proposes original architectural and spatial, and engineering solutions, their concept and feasibility are clearly justified – **20 points**;*

*b) The submitted design proposes original architectural and spatial, and engineering solutions, but their concept and feasibility are NOT clearly justified u– **8 points**;*

*c) The submitted design DOES NOT propose original/justified architectural and spatial, and engineering solutions – **0 points**;*

The overall rating (C) on all three criteria, is formed, as follows:

$$C = C1 + C2 + C3$$

the maximum possible rating is 90 points

2. Estimated construction costs

The rating of the estimated construction costs (EC) of the project, is formed, as follows:

$$EC = (C_{min} / C_{part.}) \times 10$$

the maximum possible rating is 10 points

The rating (EC) is formed by the following values:

C min – the lowest proposed estimated construction costs of the project by a participant in the competition in BGN, rounded up/down to the thousands;

C part. – the estimated construction costs of the project, proposed by the respective participant in the competition in BGN, rounded up/down to the thousands;

3. Complex rating

The complex rating for each design is formed, as follows:

$$CR = C + EC$$

the maximum possible rating is 100 points

Note:

1. For the purposes of these methods, the definitions, used in this section, are interpreted, as follows:

- "Formal solution" – a solution, which is not focused on the specific subject matter of the assignment; having a general template nature;
- "Partial solution" – a solution, meeting only part of the requirements, without containing an overall solution, from the perspective of the objectives and purposes of the project;
- "Good solution" – a solution, exceeding the minimum requirements, set out in the terms of reference. In order for a solution to be considered good, it should exceed the respective evaluation criterion in most of its aspects;
- "Original solution" – a solution, much different from the solutions of the other participants, using innovative methods, technologies and materials, without excessively increasing the implementation cost of the project.

2. If the participant has failed to submit the estimated construction costs of the project as per item 2., the jury shall make a decision to disqualify the respective design from further participation in the ranking within the competition.

ATTACHMENTS

IX. ATTACHMENTS TO THE TERMS OF REFERENCE

- TZ-1a: Currently applicable Detailed Development Plan – Regulation and Construction Development Plan (DDP - RCDP), in pdf file format
- TZ-1b: DDP - RCDP, in dwg file format
- TZ-2: Planning permission
- TZ-3: Coordination statements by the utility companies
- TZ-4: Coordination statement by “Green Systems” and Permanent Committee on Environmental Protection, Agriculture and Forestry.
- TZ-5: Table with premises, areas and levels
- TZ-6: Title Deed
- TZ-7: Sketch of the land property
- TZ-8: Ground investigation report
- TZ-9a: Land survey, in pdf file format
- TZ-9b: Land survey
- TZ-10: Photos of the existing terrain situation