

UNIVERSITY CLINICAL HOSPITAL CENTER  
"Dr. Dragiša Mišovi - Dedinje"  
Belgrade  
Yugoslavia

## WAR DAMAGE REPORT

UNIVERSITY CLINICAL HOSPITAL CENTER "Dr. Dragiša Mišovi - Dedinje" (former "Railroad Hospital"), represents noteworthy architectural and environmental complex consisting of a number of hospital buildings projected for specific purposes and surrounded with the rich greenery within the hilly residential part of Belgrade, Dedinje.

During the period from 24<sup>th</sup> March until 9<sup>th</sup> June 1999., Hospital complex has been bombarded two times; both bombarding took place in May.

NEUROLOGY CENTER BUILDING was hit by two missiles and completely destroyed together with the FIRST-AID Station and OUTPATIENT CLINIC within the Special CHILDREN PULMONARY and TBC HOSPITAL.

All other facilities placed within this complex of a Clinical Center were put out of function. Besides buildings, complete technical infrastructure, internal roads, pathways, auxiliary accesses, as well as lawns and vegetation were destroyed (photos enclosed).

Reconstruction project should aim to restore all demolished buildings and other facilities to level of complete function, thus accomplishing given medical and sanitary standards as well as technological objectives of a hospital work process.

In cases of complete destruction, rebuilding of new facilities should follow contemporary strategies of hospital construction and equipping.

Each new built and reconstructed object should have it's own, separated auxiliary infrastructure.

1. In the closest vicinity of NEUROLOGICAL building, where two direct missile hits occurred, sewerage-drainage system was completely destroyed. Approximately 40% of pipes need to be substituted.
2. Water pipes and hydrant network suffered serious damages due to trembling of the ground. Once reconstruction of the whole system takes place, over 55 % of water pipes should be substituted.
3. Earth gas heating system suffered significant damages during bombardment. Complete reconstruction of damaged primary system, and building new, secondary earth gas heating system is therefore necessary. New consumers like new NEUROLOGY building, new HOSPITAL ADMINISTRATION building as well as HOSPITAL TECHNICAL SUPPORT facilities would be an additional load to heating system.
4. Existing central hospital medical gas distributor for oxygen, nitric oxide, vacuum, and compressed air is destroyed and therefore highly unreliable for further use. It is therefore, most appropriate to place new distributing system while reconstructing complete infrastructure.

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**II – BUILDINGS FOR RECONSTRUCTION AND SANATION DUE TO SEVERE DAMAGES**

1. **Maternity Hospital (Gynecology and Obstetrics Clinic)**
2. **Urology hospital with hemodialysis center**
3. **Internal Hospital II – Hospital for Elderly – Dr Elsie Inglis Memorial Hospital**
4. **Children pulmonary and TBC hospital**

**Maternity Hospital (Gynecology and Obstetrics Clinic)**

Existing building consist of basement, ground floor, first floor, top floor and attic, total surface, cca. 2400 sq. m. Building should be reconstructed and modernized in accordance to technological process. Internal carpentry, floors, walls and ceiling should be replaced. Attic should be used for technical support, power substations, etc.

**Urology Hospital with hemodialysis center**

Existing building consist of basement, ground floor, first floor and attic, total surface 1.965,67 sq. m.

Preliminary report on Hemodialysis Center within the Urology Hospital, under the auspices of the Belgrade Health Bureau and in accordance with the National Program for chronic dialysis patients was made 1989., detailed revision 1998. Program is based on enlarging capacities of the hemodialysis station together with establishing nephrology service within the hospital, resulting in capacities for round 100 patients on hemodialysis program.

Urology hospital should be completely reconstructed and enlarged by adding second floor and top floor, designed for hemodialysis center and nephrology service, total surface of reconstructed building 3.359,10 sq.m.

Additional, new built, floors are foreseen for patient rooms, while attic should be used for staff checkrooms, card catalogue and file room and technical support rooms. Two elevators, bigger one for patients and another one for food delivery and technical purposes, are planned.

Ear, nose and throat (ENT) unit, currently placed on the first floor and laboratory in the basement should be displaced in other buildings within the complex.

**Internal Hospital II – Hospital for Elderly – Dr Elsie Inglis Memorial Hospital**

Existing building consists of basement, ground floor, first and second floor. Attic exist, however is not in use currently. Total surface is 2.546 sq. m.

Building should be completely reconstructed and modernized. Internal carpentry, floors, walls and ceiling should be replaced. Existing broad patient elevator should be replaced and another one for food delivery and technical purposes installed. Attic should be reconstructed and used for patient rooms and other auxiliary purposes; technical support, power substations, etc.

5. Electric system installation should be repaired, seriously damaged sections replaced. Power supply station has to be reconstructed simultaneously with replacement of damaged high voltage wires with the new ones.
6. Phone, fax and electronic cables installation has been seriously damaged and needs to be replaced.
7. External light system should be partly replaced, broadened and adjusted to pedestrian and internal vehicle pathways.
8. Hospital garden should be reconstructed, new pathways placed with regard to existing vegetation. Internal vehicle pathways should be adjusted to new-built and existing buildings as well as to other facilities, damaged sections sanated. Completely destroyed sections should be replaced with new ones.
9. Street section of hospital fence is to be reconstructed, hedge directed to rear boundaries.

Damaged buildings should be divided into three categories;

- I – buildings for demolition due to irreparable damages
- II – buildings for reconstruction and sanation due to severe damages
- III – buildings already under construction (started before bombarding)

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#### I – BUILDINGS FOR DEMOLITION DUE TO IRREPARABLE DAMAGES

1. Neurology Clinic building
2. Hospital Administration building
3. First-aid Station within the Special Children Pulmonary and TBC Hospital
4. Outpatient Clinic within the Special Children Pulmonary and TBC Hospital
5. Auxiliary building (pantry etc)
6. Garage
7. Hospital Technical Support building

#### PLANNED NEW BUILDINGS

NEUROLOGY CLINIC building, HOSPITAL ADMINISTRATION building and HOSPITAL TECHNICAL SUPPORT building are completely destroyed, therefore should be replaced with appropriate new buildings.

Architecture and functional characteristics of new buildings should be adjusted to current medical and tehnological standards

NEUROLOGY CLINIC building should be placed instead the old one, corresponding architecturally and regulatory with the Children Pulmonary hospital complex.

Two new appropriate objects within the hospital complex, HOSPITAL ADMINISTRATION building and HOSPITAL TECHNICAL SUPPORT building with Boiler room, should replace number of non-functional, disperse buildings that were used for these purposes and were destroyed during bombing.

**Children pulmonary and TBC hospital**

Existing building consist of basement, ground floor, first and second floor and attic.  
Total surface is 1.569,50 sq. m.

Building should be reconstructed and attic brought to function, total surface enlarged to 1.984 sq.m. Existing and reconstructed parts of building should maintain their's basic functions, serving as hospital wards and stations. New building whose construction started in 1998. should be used for outpatient clinic, first aid station, laboratories and TBC station. Tunnel, as a heated link, should connect old and new building.

\* Please find enclosed budgetary assessment of damages caused by NATO bombing and investments for reconstruction and adaptation of existing and construction of destroyed buildings and infrastructure.



Dear Sirs,

We are addressing you as high representatives of a nation well-known for its delicate sense for humanity, justice and progress, strongly convinced that you will rightly and nobly interpret our efforts to gather around ourselves all those willing to help people with jeopardised health, from children to the oldest ones. There are so many of them in our country.

In May this year bombs completely destroyed several vital public health facilities and practically made impossible further normal activities of University Clinical Hospital Center «Dr. Dragiša Mišović». This is the second largest hospital in Belgrade with 2.5 mill. of inhabitants. The hospital has about 1,000 beds and 1,400 employees that perform over 10,000 surgeries, more than 1 mill. of out patient services and treat over 25,000 hospitalized patients per year. The following facilities have been destroyed: Neurology Center, Children Daily Hospital, Children out patient Dept. for TBC, Technical Block, accessory facilities and large amount of infrastructure – water supply installation, sewerage system, heating system and medical gases installation. Also, facilities of the Center for gynecology and obstetrics, Center for urology with hemodialysis, facility for geriatrics, as well as electric and PTT installations require sanation and considerable reconstruction.

Without these facilities we are unable to offer not only an adequate medical treatment to thousands of sick people, but to preserve their hope to realize their only wish – that they will get well.

Being aware that we alone shall not be able for a longer period of time to start the next phase – construction, we are forced to send our appeal to all people of good will, ready and capable to help with their contributions.

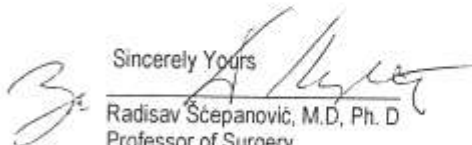
We have decided to renew our University Clinical hospital Center on a memorial principle. Facilities constructed by your donations will have a character of a monument. They will bear your name and will be a permanent symbol of your humanity and friendship towards our people.

In case you have understood and accepted our sincere wish and plan to help the sick, that is enough. If you help, we shall be eternally grateful to you. If, however, you would like to help, but cannot afford to give a contribution, perhaps you know those that can but have not thought of how important and valuable their help would be. Bring us in contact, please.

Our experts have made projects, the summary of which is enclosed herewith. We are ready to supply more detailed documentation at your request.

We thank you in advance for your precious time and remain

Sincerely Yours



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Professor of Surgery

General Manager

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