

## **BASIC PROVISIONS OF THE REQUIREMENT SPECIFICATION:**

### **Purpose:**

Formation of a high-quality living environment, creation of an attractive and diverse architectural appearance for residential buildings within the framework of the renovation program for Moscow housing stock by development of contemporary facade technology solutions for industrial and monolithic housing construction that meet effective safety and efficiency requirements, including operational ones.

### **Goals:**

1. Analysis of the territory planning and volumetric-spatial structure.
2. Determination of a system of representative building fragments that most fully reflect its architectural appearance.
3. Determination of principles and approaches to generation of the facade solutions.
4. Formation of project proposals for facade solutions for representative building fragments.
5. Preparation of project proposals for formation of architectural appearance of buildings.

### **Initial data for development of the Concept:**

1. Materials of territorial planning projects (hereinafter referenced to as TPP) of quarters within the framework of the renovation program for Moscow housing stock, including:  
“Visualization of main planning and design solutions with preparation of the territory development basic design in order to implement the renovation program of the Moscow housing stock:  
- Section 1: Building regulation principles (urban planning code of the territory);  
- Section 2: The territory development basic design for selected design solution for the territory development”;  
- Diagram of “The territory development basic design for selected design solution for the territory development” in a vector format;
2. Materials of the development concept of residential and adjacent territories included in the renovation program with preparation of materials on urban planning potential of the territories;
3. 3D model of the buildings in relation to the environment;
4. Copter survey materials;
5. Recommended examples of structural and technical solutions for facades of residential buildings;
6. Implementation option of the “Diagram of the basic principles of the territory spatial organization, including the system of public spaces” on the example of the approved TPP;
7. Other analytical and graphical materials.

## REQUIREMENTS FOR SCOPE, CONTENT AND METHODOLOGICAL APPROACHES TO PREPARATION OF THE MATERIALS

1. **Analysis of the territory planning and volumetric-spatial structure\*.**
2. **Determination of a system of representative building fragments that most fully reflect its architectural appearance.**
3. **Determination of principles and approaches to generation of the facade solutions** aimed achieve the following environmental properties:
  - variety, subject to integrity of perception and preservation of style homogeneity;
  - identity;
  - inclusion into the urban planning context;
  - size comparability with people, human-oriented and urban landscape-friendly facade solution impact.

The proposed principles and approaches to application of the facade solutions must conform with:

- contemporary safety requirements;
- contemporary efficiency requirements, including operational ones.
- materials approved by the TPP in section “Building regulation principles (urban planning code of the territory)”.

*\* Analysis on the basis of implementation of the “Diagram of the basic principles of the territory spatial organization, including the system of public spaces” on the example of the approved TPP, in accordance with sections “Building regulation principles (urban planning code of the territory)” and “Basic design for selected design solution for the territory development”;*

4. **The project proposals for facade solutions for representative building fragments** must include descriptions and graphical representations of key specifications and properties of the facade solutions of representative building fragments, such as:
  - stylistic solutions,
  - color solutions,
  - plastic solutions,
  - types of applied construction and finishing materials.\*\*

*\*\* The project proposals must be resilient for adaptation to various construction technologies, including:*

- *suspended facades on the basis of a subsystem;*
- *suspended facades made of prefabricated structural wall components (panels).*

5. **The project proposals for formation of architectural appearance of buildings** must include descriptions and graphical representations of cohesiveness principles of the facade solutions and the public spaces\*\*\*.

*\*\*\* To be implemented on the basis of the “Diagram of the basic principles of the territory spatial organization, including the system of public spaces” on the example of the approved TPP*

## SCOPE AND CONTENT OF PRESENTATION MATERIALS

The scope and content of presentation materials for “Concept development of architectural solutions for buildings of the renovation program of the Moscow housing stock”:

1. Title sheet;
2. Arrangement of the analyzed territory in respect to the city or region structure;
3. Aerial view of the territory with indication of the lot boundaries;
- 4. Analysis of the territory planning and volumetric-spatial structure. Determination of a system of representative building fragments that most fully reflect its architectural appearance. Determination of principles and approaches to generation of the facade solutions:**
  - 4.1. Diagram of the basic principles of the territory spatial organization, including the system of public spaces;
  - 4.2. Diagram of the system of representative building fragments that most fully reflect its architectural appearance;
- 5. Project proposals for facade solutions for representative building fragments:**
  - 5.1. “The ground floor diagram”;
  - 5.2. “A typical floor diagram”;
  - 5.3. “Facade diagram”;
  - 5.4. “Facade color diagram”;
  - 5.5. “Facade feature element diagram”;
  - 5.6. Types of applied construction and finishing materials (with indication of manufacturers and actual market costs);
- 6. Project proposals for formation of architectural appearance of buildings:**
  - 6.1. “Diagram of the territory spatial organization with indication of principles of the facade solution cohesiveness, as well as improvement of public spaces”;
  - 6.2. “Diagram of the building facade elevations”;
  - 6.3. “Visualization of main planning and design solutions”;
  - 6.4. “Visualization of facade feature elements”

**Detailed Requirement Specification with complete description of scope, content and requirements for representation and content of the contest proposals will be sent to the participants at the second stage of the Contest.**