

ATTACHMENT 1

STATEMENT OF WORK

WATER TREATMENT EPOXY FLOOR REPAIR

U.S. EMBASSY SARAJEVO, BOSNIA AND HERZEGOVINA

1. INTRODUCTION

The United States Department of States (DOS) requires services to repair epoxy paint on the concrete surface in the UTL/SCAC Water Treatment at the American Embassy Sarajevo, Bosnia and Herzegovina. This project will provide repair work on the existing epoxy flooring, it will remove damaged coatings, and provide new epoxy coating layers. New epoxy layers will be made of modern material, applied in 3 layers, with surface that is easy to clean and maintain.

This project contains different services to execute required work, including but not limited to the labor, materials, tools, logistic, installation and associated project management support functions. Also, provides applicable criteria, which contractor must use, for the completion of all work.

2. OBJECTIVES

This Statement of Work (SOW) identifies basic requirements for the new epoxy coating and repair work, consisting of engineering, planning, procurement, installation, and repair of the existing floor in the SCAC and UTL.

All work shall be executed in accordance with the project SOW, approved time schedule, approved specifications and Bill of Quantities, associated contract documents and be compliant with applicable safety rules, guidelines, and standards. The Contracting Officer (CO) and Contracting Officer's Representative (COR) are the sole points of contact for all contractual and technical discussions or issues regarding the Scope of Work and its intent and execution. Contractor shall take no direction - verbal or otherwise- from USG personnel other than the CO or COR.

3. GENERAL REQUIREMENTS

PROJECT REQUIREMENTS

This project requires that the contractor provide project management, professional logistics and material procurement services, professional hand-craft services, installation services, cost estimating and scheduling services, and general support services for the project.

The contractor must plan, estimate and schedule all work to ensure labor and equipment are available to complete work required within the specified time limits and in conformance with specific contract and task order performance requirements and quality standards established herein. Work shall be completed as expeditiously as possible.

3.1. RESPONSIBILITY OF THE CONTRACTOR

The contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all installation and other services furnished under this contract. The contractor shall, without additional compensation, correct or revise any errors or deficiencies caused by his actions.

The contractor is responsible for safety and shall comply with all local labor laws, regulations, customs, and practices pertaining to labor, safety, and similar matters. The contractor shall promptly report all mishaps/accidents resulting in lost time, disabling, or fatal injuries to the COR. The contractor remains liable to the Embassy, in accordance with applicable law, for all damages to the Embassy caused by the contractor's negligent performance of any of the services furnished under this contract. The rights and remedies for the Embassy provided for under this contract are in addition to any other rights and remedies provided by law. The contractor is responsible for the existing equipment on site and after final work, equipment shall be in the same condition as he found it on arrival.

3.2. PRE-INSTALLATION REQUIREMENTS

This project requires an experienced contractor to execute the project, and work shall be performed by workers with prior experience on the same or similar projects. All workers shall be familiar with using tools, equipment, and safety procedures.

The contractor shall provide proper quantities of personnel, equipment, materials, and tools needed to complete the services that meet the technical requirements in this Scope of Work. Used tools and construction equipment shall be in good technical working condition and shall be capable of safe and proper operation. Before starting work, the list of workers, equipment, and vendors shall be approved by the US Embassy for site access. Assistance will be provided by the USG/Embassy for this matter.

3.3. INSTALLATION REQUIREMENTS

The contractor shall be responsible for all required materials, equipment, and personnel to manage and supervise the project. All workmanship shall be of good quality and performed in a skillful manner as determined by the COR. All materials and equipment incorporated into the project shall be new. The contractor shall transport and safeguard all materials and equipment required for the work. Equipment and materials shall be carefully handled, properly stored, and adequately protected to prevent damage before and during installation, in accordance with the manufacturer's recommendations. Damaged or defective items shall be replaced at the contractor's expense.

The contractor will be responsible for security of all materials and equipment. The contractor will be provided with storage and staging area as determined by the COR. He shall be responsible for restoring the area to its original condition at the completion of the

work. The contractor shall be responsible for repair of any damage incurred to buildings or pavement because of storage activities. The contractor shall perform the work at the site during the Embassy's normal workday hours, unless agreed upon with the COR.

4. SCOPE OF WORK – SCAC & UTL

4.1.PREPARATION WORK

- 4.1.1. Closing openings and covering mechanical equipment with plastic canvas to protect other areas from dust and dirt.
- 4.1.2. Removal of grinding surface layer, made as smooth, slip resistant epoxy flooring. Remove top layer using machine or manual with suitable tools. Floor surface must be free from product mold, grease, corrosion, and dirt penetrated in the structure.
- 4.1.3. Detail cleaning of the complete floor area, using industrial vacuum cleaner with suction bell (a hollow object, having the shape of a deep inverted cup widening at the lip).
- 4.1.4. Manual loading and transportation of waste materials to the city dump, with the payment of municipal fees for the disposal of non-degradable materials. Calculation per tour truck vehicular wear and tear and landfill invoice.

4.2.REPAIR WORK

- 4.2.1. Repair the parts that are the most damaged by heavy load and transport. After removal by diamond grinding of the upper layer, perform leveling using 2K epoxy resin and quartz sand, filling visible cracks on the surface.
- 4.2.2. **BASIC:** Application of basic epoxy coating (which acts as a binder, surface homogenizer, or the like), on the surfaces and passing on the walls around. Drying period is 24.00 hours. **FIRST LAYER:** Application of two-component thin coatings based on epoxy resin (for light to medium heavy loads in the interiors and exteriors), on the surfaces and passing on the walls around. Drying period is 24.00 hours. **SECOND LAYER:** Application of the second layer (two mutually cross-layer must be applied). Second layer is two-component thin coatings based on epoxy resin, which must be applied on the surface and passing on the walls around. Drying period is 24.00 hours.

4.3.FINAL WORK

4.3.1. Removal of the plastic canvas fixed to the walls and exit doors that protect other areas from dust and dirt.

4.3.2. Final cleaning and small corrections on the painted floor, if needed.

5. APPLICABLE STANDARDS

Project improvement work shall conform to the requirements of the US building standards, such as provided by following:

- American National Standards Institute (ANSA) as a premier source for timely, relevant information on national and international standards.
- Standards worldwide used to improve product quality, enhance safety, and facilitate trade – ASTM (American Society for Testing and Materials).
- International Building Code (IBC) as a model building code developed by the International Code Council (ICC) and adopted throughout most of the US.

6. PROJECT COMPLETION SCHEDULE

The Project completion schedule (Work schedule or Time schedule) will be prepared in accordance with procedures and regulations that exist within the US Embassy facility.

These regulations will affect dynamics of the works and contractor is obliged to respect them and plan repair activities accordingly. The contractor shall coordinate with COR for work phasing and job sequencing. Prior to start with project execution, the Contractor must submit project completion schedule for approval (Time schedule).

7. CLEANUP

The contractor shall always keep the work area free from accumulation of waste materials. Upon completing construction, the contractor shall remove all temporary facilities and leave the project site in a clean and orderly condition acceptable to the COR. The contractor shall not use Embassy waste disposal facilities including garbage cans, trash piles or dumpsters.

8. DELIVERABLE SCHEDULE

The contractor shall commence work under this contract promptly, execute the work diligently, and achieve final completion and acceptance including final cleanup of the premises within the period specified in the Time schedule.

9. PROJECT INSPECTIONS AND ACCEPTANCE

The contractor is required to prepare and submit reports, work schedule, bill of materials, design drawings, specifications, safety plan and project costs.

The contractor is obliged to maintain a system of quality control to meet the requirements of this project. The contractor shall supply needed technical documentation, drawings, technical specifications, and relevant certificate of the quality control for the materials that will be installed during execution works. All materials must meet specifications described in this SOW and be approved by COR prior to start with works. The contractor is obliged to deliver required materials on the site, considering its quality and quantity. All submitted material should be stored and adequately protected, in accordance with the prescribed procedures and regulations.

The US Embassy reserves the right to inspect the Contractor's work as well as his system of quality control and quality assurance (QC/QA). Acceptance of the material submittals and other technical items shall be performed by COR. Acceptance or use of documents developed under this contract shall not relieve the contractor of any responsibility for the project quality.

10. WARRANTY

The contractor must submit a Warranty Statement for the installed materials in accordance with manufacturer's product data. In addition, the contractor must submit a Warranty Statement for the provided work for the period minimum 12 months.