**ANNEX C: Scope of Work (SOW) for Light Rehabilitation of Eng. Shir Mohammad High School**

**Project Title:** Provision of Immediate Assistance to Vulnerable Populations in High-Need Areas of Afghanistan  
**Sub-Project Name:** Light Rehabilitation of Eng. Shir Mohammad High School  
**Project Location:** Laghman Province, Alingar District, Eng. Shir Mohammad High School  
**Organization:** Your Voice Organization (YVO)  
**Announcement Date:** 24 November 2024

**1. Overview**

Your Voice Organization (YVO) is implementing the "Provision of Immediate Assistance to Vulnerable Populations in High-Need Areas of Afghanistan" project funded by AHF. This initiative focuses on improving education facilities for returnee students in the Qarghai and Alingar districts of Laghman Province and the Norgal district of Kunar Province. A key activity under this project is the light rehabilitation of schools, adhering to Education Cluster standards. This activity will be closely coordinated with the Provincial Education Directorate (PED) and District Education Department, ensuring compliance with Ministry of Education norms.

**2. Objective**

A subcontractor will carry out this sub-project. YVO aims to rehabilitate three schools in Alingar District, including Eng. Shir Mohammad High School, based on findings from a technical survey. The goal is to address structural issues like roof repairs, and exterior painting to create a safe, conducive learning environment. Specific objectives include:

1. **Removal of soil from the roof**: Remove existing soil from the roof and transport it to a suitable location, ensuring all work is carried out efficiently without damaging the roof structure or surrounding areas. The task involves using appropriate tools and methods to protect the building during the process.
2. **PCC concrete work on the roof**: Carry out plain cement concrete (PCC) work on the roof with a 7 cm thickness using M200-grade concrete. Ensure proper preparation, compaction, and curing to achieve the required strength and durability.
3. **Installation of 4 mm Iranian Isogam on the roof**: Install a waterproofing membrane of 4 mm Iranian Isogam across the roof, ensuring overlaps, proper sealing, and coverage of corners to provide effective protection against water leakage.
4. **Brickwork for the parapet wall on the roof**: Construct a parapet wall on the roof using high-quality bricks and a cement-sand mortar mix with a 1:4 ratios. The wall should be properly aligned and securely built to ensure stability and safety.
5. **Two-side plaster work for the parapet wall and repair of damaged plaster**: Apply plaster to both sides of the parapet wall and repair damaged plaster areas using a cement-sand ratio of 1:3. The plaster should be smooth, durable, and free of cracks or imperfections.
6. **Replacement of precast RCC concrete slabs in rooms**: Replace damaged precast RCC slabs in the rooms with new ones matching the previous specifications. Ensure proper alignment, installation, and finishing to restore the structural integrity of the building.
7. **Preparation and installation of wooden frames for doors**: Prepare and install new wooden door frames in classrooms, ensuring they match the previous design. Include painting and finishing to achieve a high-quality and durable result.
8. **Window and door carpentry works**: Repair and maintain windows and doors, including replacing hinges and addressing any carpentry issues to restore functionality and durability.
9. **Two-coat painting of blackboards**: Clean and apply two coats of high-quality black paint to the blackboards, ensuring a smooth, even finish that enhances visibility and usability.
10. **Installation of wooden planks for doors**: Install wooden planks on doors, including carpentry work, painting, and repairs, to ensure a sturdy and polished finish that matches the existing design.
11. **Plaster work for corners and parts of windows and doors**: Perform plaster work on corners, window, and door areas to repair damage and ensure a smooth, uniform surface using a cement-sand ratio of 1:3.
12. **Installation of steel mesh for windows**: Install 1.5 mm thick steel mesh on windows, ensuring secure fitting and durability while completing all related tasks for proper functionality.
13. **Procurement and installation of glass for windows and doors**: Install new 4 mm thick glass for windows and doors, including fittings and accessories, to restore the building’s appearance and functionality.

**3. Detailed Scope of Work**

This light rehabilitation project includes the following key activities:

**Activity 1: Removal of soil from the roof (106 m3)**:

* Removal of existing soil from the roof structure, including proper disposal or transfer to a designated suitable location.
* Ensure all necessary tools and equipment are used for safe and efficient soil removal.
* The work must be conducted in a manner that avoids damage to the roof structure.
* Protection of surrounding areas from soil spillage during removal.

**Activity 2: PCC Concrete work on the roof, 7 cm thickness, M200 (35 m3)**:

* Preparation of the roof surface for pouring concrete, including cleaning and leveling as required.
* Pouring of PCC concrete (M200 mix) with a thickness of 7 cm across the designated area of the roof.
* Ensure proper compaction and leveling of concrete to meet required thickness and strength standards.
* Curing of the concrete as per standard practice to achieve optimal strength.
* Protection of the newly poured concrete from external damage.

**Activity 3: 4 mm Iranian Isogam on the roof (545 m2)**:

* Installation of a 4 mm thick Iranian Isogam roofing membrane across the roof.
* Ensure proper overlap and coverage of corners to prevent water penetration.
* Properly align and secure the Isogam membrane to the roof surface.
* Ensure all seams are well-sealed and that the installation is waterproof and durable.

**Activity 4: Brickwork for parapet wall on the roof, grade 1 brick (12 m3)**:

* Construction of a parapet wall on the roof using grade 1 bricks.
* Dimensions of the wall: 170 meters in length, 25 cm in width, 30 cm in height.
* Mortar mix ratio of 1:4 (cement to sand) for bricklaying.
* Ensure proper alignment, plumb, and level of the wall during construction.
* Complete all finishing works to ensure a smooth and sturdy parapet wall.

**Activity 5: Two-side plasterwork of parapet wall and repair of damaged plaster (238 m2)**:

* Plastering of both sides of the parapet wall with a 1:3 cement-sand ratio.
* Repair any damaged plaster areas across the surface of the parapet wall.
* Application of a smooth and even plaster layer to the surface, ensuring no cracks or imperfections.
* Curing of plaster as per standard guidelines to ensure proper setting and durability.

**Activity 6: Replacing precast RCC concrete slabs in rooms (225 units)**:

* Removal of damaged or deteriorated precast RCC concrete slabs from the designated rooms.
* Installation of new precast RCC concrete slabs of the same specifications and quality (250 MPa concrete).
* Ensure proper alignment and fitting of slabs.
* Ensure all related installation and finishing works are completed to maintain structural integrity.

**Activity 7: Preparation and installation of wooden frame for doors (2 units)**:

* Construction and installation of wooden frames for classroom doors (1x1.8m size) to match the previous design.
* Frames to be painted and finished to meet quality standards.
* All required carpentry work for the installation of these door frames should be completed, including fixing and securing them in place.

**Activity 8: Window and door carpentry works, including replacement of hinges and repairs (20 units)**:

* Inspection, replacement, and adjustment of window and door carpentry as needed.
* Replacing damaged hinges and carrying out any necessary repairs to ensure doors and windows operate properly.
* Any required adjustments to frames or hardware to maintain functionality.

**Activity 9: Two-coat painting of blackboards (27 m2)**:

* Thorough cleaning of blackboards (1.5x1.3 m) prior to painting.
* Application of a high-quality black paint, ensuring two coats are applied evenly.
* The finished work should meet the required aesthetic standards, with a smooth and uniform finish.

**Activity 10: Installation of wooden planks for doors (6 m2)**:

* Installation of Kunar wood planks for classroom doors (1.3x1.5 m size), ensuring proper carpentry and finishing work.
* All required repairs to be carried out on the doors during installation.
* Ensure proper painting and finishing to meet quality standards.

**Activity 11: Plasterwork for corners and some parts of windows and doors (101 m2)**:

* Plastering of corners and other damaged parts around windows and doors with a 1:3 cement-sand ratio.
* Ensuring smooth application of plaster with no cracks or uneven surfaces.
* Ensure proper curing of the plaster.

**Activity 12: Installation of 1.5mm thick steel mesh for windows (51 m2)**:

* Installation of 1.5mm thick steel mesh on windows, ensuring secure and proper fitting.
* All related tasks to complete the installation, including securing the mesh with necessary fittings.
* Ensure that the steel mesh provides adequate protection and durability.

**Activity 13: Procurement and installation of 4mm glass for windows and doors (15 m2)**:

* Procurement and installation of 4mm thick glass for windows and doors, including all necessary fittings and accessories.
* Ensure proper alignment and secure fixing of glass.
* Perform necessary finishing works to ensure a seamless and professional installation.

**4. Deliverables**

* **Removal of soil from the roof**:  
  The roof will be completely cleared of all soil, with the removed material transported to a designated suitable location. The roof structure and surrounding areas will remain intact and undamaged throughout the process.
* **PCC concrete work on the roof**:  
  The roof will have a 7 cm thick layer of M200-grade plain cement concrete applied, with proper compaction and curing to ensure strength and durability.
* **Installation of 4 mm Iranian Isogam on the roof**:  
  A waterproofing layer of 4 mm Iranian Isogam will be installed across the roof, including properly sealed overlaps and corners to ensure complete water resistance.
* **Brickwork for the parapet wall on the roof**:  
  A robust parapet wall will be constructed using high-quality bricks and cement-sand mortar in a 1:4 ratio, ensuring proper alignment, stability, and durability.
* **Two-side plaster work for the parapet wall and repair of damaged plaster**:  
  The parapet wall will be plastered on both sides, and all damaged plaster areas will be repaired with a smooth, durable finish using a cement-sand ratio of 1:3.
* **Replacement of precast RCC concrete slabs in rooms**:  
  Damaged RCC concrete slabs in designated rooms will be replaced with new slabs matching the original specifications, ensuring proper installation and alignment to restore structural integrity.
* **Preparation and installation of wooden frames for doors**:  
  New wooden door frames will be installed in classrooms, matching the previous design and finished with painting to achieve a professional and durable appearance.
* **Window and door carpentry works**:  
  Windows and doors will be repaired and maintained, including hinge replacements and other necessary carpentry works to ensure proper operation and durability.
* **Two-coat painting of blackboards**:  
  Blackboards will be cleaned and painted with two coats of high-quality black paint, providing a smooth and even surface for enhanced usability.
* **Installation of wooden planks for doors**:  
  Wooden planks will be installed on doors with precise carpentry work, painting, and repairs to ensure a polished and functional finish.
* **Plaster work for corners and parts of windows and doors**:  
  Corners, window, and door areas will be plastered or repaired as needed, providing a smooth and uniform finish with a cement-sand ratio of 1:3.
* **Installation of steel mesh for windows**:  
  Steel mesh of 1.5 mm thickness will be securely installed on windows, providing enhanced protection and functionality.
* **Procurement and installation of glass for windows and doors**:  
  New 4 mm thick glass will be installed on windows and doors, complete with all necessary fittings and accessories for optimal functionality and aesthetics.

**5. Project Timeline**

* **Start Date:** 10/December/2024
* **Completion Date:** The project is scheduled for completion within 2-3 months, with a maximum duration of 3 months.

**6. Special Considerations**

* **Quality Assurance:** All materials and workmanship must meet or exceed industry standards.
* **Safety Protocols:** Compliance with safety standards is mandatory throughout the project duration.
* **Weather Contingencies:** Project schedule adjustments may occur based on weather conditions to maintain quality.
* **No-Cost Modifications:** Any modifications or additional work must be authorized by YVO and follow the initial project agreement.
* **Submittals:** The contractor is responsible for the timely submission of all required documentation and approvals.
* **Labor:** Unskilled labor for the project should be sourced locally from the site. Care must be taken to ensure that no individuals under the age of 18 are employed as laborers.
* **Reporting:** The contractor is required to submit weekly progress and quality control reports to the YVO.
* **Site Visit:** The companies are required to visit the site before submitting their prices.

**7. Payment Terms**

Payment will be made based on the completion of key milestones as specified in the contract agreement. Detailed terms and conditions will be outlined in the final contract with the selected contractor.