**ANNEX C: Scope of Work (SOW) for Light Rehabilitation of Mandal High School**

**Project Title:** Provision of Immediate Assistance to Vulnerable Populations in High-Need Areas of Afghanistan  
**Sub-Project Name:** Light Rehabilitation of Mandal High School  
**Project Location:** Laghman Province, Alingar District, Mandal 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 Mandal 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:** The project aims to clear the accumulated soil from the roof to prevent structural damage and ensure the longevity of the building. This involves safely removing soil and transferring it to a suitable location.
2. **PCC concrete work on the roof:** To enhance the structural integrity and waterproofing of the roof, a layer of PCC concrete will be laid with appropriate thickness, using M200 grade concrete.
3. **Installation of 4 mm Iranian Isogam waterproofing:** The roof will be covered with 4 mm thick Iranian Isogam waterproofing material to ensure long-term resistance to water infiltration and environmental damage.
4. **Interior painting of the building:** The interior walls will be painted with two coats of Distemper paint to improve the aesthetics and protect surfaces.
5. **Exterior painting of the building:** The exterior walls will receive three coats of Weather shed paint to provide weather resistance and improve the building's appearance.
6. **Replacement of precast RCC slabs:** Damaged slabs in the building will be replaced with new precast RCC concrete slabs made with 250 Mark concrete to restore structural stability.
7. **Installation of 6" locks for classroom doors:** High-quality 6" locks will be installed on classroom doors to enhance security and functionality.
8. **Installation of 4" locks for doors and windows:** High-quality 4" locks will be installed on doors and windows to ensure secure and smooth operation.
9. **Fabrication and installation of wooden frames:** Kunar wood will be used to fabricate and install wooden frames for windows and doors, ensuring durability and a proper fit.
10. **Purchase and installation of 4 mm glass panels:** Glass panels of appropriate thickness will be procured and installed on doors and windows, using national Chufti and related accessories for secure and accurate fitting.
11. **Plaster work on corners and other parts:** Plastering will be performed on corners, windows, doors, and other areas using a cement-sand ratio to provide a smooth and durable finish.

**3. Detailed Scope of Work**

This light rehabilitation project includes the following key activities:

**Activity 1: Removal of soil from the roof (76 m³)**

* Remove soil from the roof measuring (13x39) m using appropriate equipment.
* Transfer the removed soil to a suitable designated location.
* Ensure all safety precautions during handling and disposal.
* Include all necessary accessories and tools to complete the work efficiently.

**Activity 2: PCC concrete work on the roof (36 m³)**

* Perform Plain Cement Concrete (PCC) work on the roof (13x39) m with a thickness of 7 cm.
* Use M200 grade concrete for the work, adhering to relevant standards.
* Prepare and clean the surface thoroughly before placing the concrete.
* Include formwork, curing, and finishing as part of the process.

**Activity 3: Installation of 4 mm Iranian Isogam waterproofing on the roof (575 m²)**

* Lay 4 mm thick Iranian Isogam sheets weighing 38–40 kg each on the roof (14x40) m.
* Ensure proper cleaning and priming of the surface before installation.
* Overlap sheets adequately to maintain water tightness and avoid leaks.
* Provide all necessary tools and accessories for the installation process.

**Activity 4: Interior painting of the building (300 m²)**

* Apply two coats of 75% Distemper paint on the interior walls.
* Clean the surfaces thoroughly before painting to remove dirt and grease.
* Ensure smooth application using appropriate tools (brushes or rollers).
* Include any patching or surface preparation as needed.

**Activity 5: Exterior painting of the building (400 m²)**

* Apply three coats of 100% Weather shed paint to the exterior surfaces.
* Clean and prepare the walls thoroughly before starting the painting process.
* Use high-quality materials to ensure durability and weather resistance.
* Conduct proper masking to protect surrounding areas from paint splatters.

**Activity 6: Replacement of precast RCC concrete slabs (304 units)**

* Replace damaged precast RCC slabs in specified rooms with new slabs matching the previous form.
* Use 250 Mark concrete for casting new slabs.
* Ensure proper alignment, curing, and installation of slabs.
* Include all related works such as dismantling old slabs and cleaning.

**Activity 7: Installation of 6" locks for classroom doors (5 units)**

* Install high-quality 6" locks on classroom doors.
* Ensure proper alignment and secure attachment of locks.
* Conduct testing to confirm functionality after installation.

**Activity 8: Installation of 4" locks for doors and windows (50 units)**

* Install good-quality 4" locks on various doors and windows.
* Include all necessary adjustments and alignment for smooth operation.
* Verify the functionality and durability of each lock after installation.

**Activity 9: Fabrication and installation of wooden frames for windows and doors (12 m)**

* Fabricate and install wooden frames using high-quality Kunar wood.
* Ensure precise cutting and finishing for proper fit.
* Include sanding, polishing, and protective coating as required.

**Activity 10: Purchase and installation of 4 mm glass for doors and windows (7 m²)**

* Procure and install 4 mm thick glass panels for doors and windows.
* Use national Chufti and provide all necessary accessories for proper fitting.
* Ensure accurate measurements and secure installation to prevent gaps.

**Activity 11: Plaster work on corners, windows, doors, and other areas (40 m²)**

* Perform plastering on specified areas using a 1:3 cement-sand ratio.
* Include surface preparation and smoothing for a uniform finish.
* Use proper tools to ensure precise application and durability.

**4. Deliverables**

* **Removal of soil from the roof:** The accumulated soil will be removed from the roof and transported to a designated location. This will ensure the roof's load capacity is restored and its structural integrity is maintained.
* **PCC concrete work on the roof:** The roof will be reinforced with a layer of PCC concrete using M200 grade material, ensuring a smooth and durable surface capable of withstanding environmental stresses.
* **Installation of 4 mm Iranian Isogam waterproofing:** The roof will be fully waterproofed with 4 mm thick Iranian Isogam sheets, providing long-term protection against water infiltration and enhancing overall durability.
* **Interior painting of the building:** The interior walls will be cleaned and painted with two coats of Distemper paint, offering an improved aesthetic and a clean, polished appearance.
* **Exterior painting of the building:** The exterior walls will be coated with three layers of Weather shed paint, providing weather resistance while enhancing the building’s exterior appearance.
* **Replacement of precast RCC slabs:** Precast RCC slabs will replace damaged slabs in various rooms of the building. These slabs will be cast with 250 Mark concrete to restore strength and functionality.
* **Installation of 6" locks for classroom doors:** Durable and high-quality 6" locks will be installed on classroom doors to ensure enhanced security and ease of use.
* **Installation of 4" locks for doors and windows:** Good-quality 4" locks will be installed on doors and windows, ensuring secure and reliable operation.
* **Fabrication and installation of wooden frames:** Wooden frames for windows and doors will be fabricated using Kunar wood and installed with precision to provide a robust and lasting fit.
* **Purchase and installation of 4 mm glass panels:** Glass panels with a thickness of 4 mm will be fitted into doors and windows using national Chufti and other necessary accessories for a secure installation.
* **Plaster work on corners and other parts:** Plastering will be completed on corners, window areas, doors, and other specified sections using a cement-sand mix, providing a smooth and consistent finish.

**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.