

Sahari Organization for Development

Request for Quotation for Rehabilitation of 4 Sawakin's Health Facilities Ref: PS/WHH8/11/6

Dear Sir/ Madam,

Sahari Organization for Development (SAHAR) is a humanitarian, voluntary, grassroots organization committed to human dignity and self-reliance. Established in 2016 and registered as an NGO at the Humanitarian Aid Commission(HAC).

SAHARI is implementing a project in Red Sea State funded by WHH "Emergency Nutrition for Children in Eastern Sudan", For the implementation of its operations, we intend to apply a portion of the grant to payments under this RFQ.

SAHARI hereby invites you to submit a quotation to this invitation to quotation (RFQ) for the above and referenced subject.

This RFQ includes the following documents:

Section1: This Letter of Invitation

Section 2: Instruction to Suppliers

Section 3: Retunable forms

- Quotation Summary Form.
- Information Form.
- Declaration Form.
- Price Schedule.

If you are interested in submitting a Quotation in response to this RFQ, please your quotation in accordance with the requirements and procedures as set in this RFQ and submit it by the deadline for the submission of the quotation set out in the RFQ data sheet.

Please acknowledge receipt of this RFQ by sending an E-mail To procurement@sahari.org indicating whether you intend to submit a quotation or otherwise, you may also utilize the Accept Invitation function in the quotation system, where applicable. This will enable you to receive amendments or updates to this RFQ. Should you require further clarification, kindly communicate with the contact person identified in the attached data sheet as the focal point for queries on this RFQ.

SAHARI looks forward to receiving your quotation and thanks you in advance for your interest in SAHARI procurement opportunities.

Sincerely

Mohamed Nour Eldin

Operation Manager


6/11
2025



Date: 06/11/2025

Section 2. Instruction to Suppliers

1- Quotation Language

The quotations prepared by the suppliers, as well as all correspondence and documents relating to the RFQ exchanged by the suppliers and SAHARI shall be written in the English language.

2- Quotation Currency:

All the prices indicated in your quotation shall be Sudanese Pounds (SDG).

3- Quotation Validity:

Your quotation must remain for a minimum of 30 days from the closing date of this RFQ. Once your quotation is accepted during this validity period, the quoted unit price shall remain unchanged. Quotations valid for a shorter period may be rejected by SAHARI and rendered non-responsive.

4- Clarification from Suppliers

Following the receipt of this RFQ, interested suppliers are requested to submit their questions or requests for clarification in writing to:

procurement@sahari.org

5- Quotation Submission

The Suppliers shall submit a duly signed and complete Quotation comprising the documents and forms following the requirements in this RFQ to:

House 332 Block 4 Silik Street

Almatar District – Portsudan

Or submit an electronic copy (PDF format) to procurement@sahari.org Late submission will not be accepted.

6- Deadline for Submission of Quotations:

Complete quotations must be received by SAHARI at the address specified above no later than **15:00 on the 12th of November 2025**. SAHARI shall only recognize the actual date and time that the quotation was received by SAHARI.

7- Late Quotations:

Any quotation received by SAHARI after the deadline for submission of quotations prescribed by SAHARI under RFQ Clause 6 will be rejected and returned unopened to the Supplier.

8- Opening of Quotations:

SAHARI will open all quotations, at the time and date of its convenience following the complete assembly of all Quotation Evaluation and award Committee members. Suppliers who do not get feedback within ten (10) days from the closing date mentioned herein, should consider their quotation unsuccessful.

9- Clarification of Quotations:

To assist in the examination, evaluation, and comparison of quotations, SAHARI may ask suppliers for clarification of their quotations. The request for clarification and the response shall be written by SAHARI, and no change in price or substance of the quotation shall be sought, offered, or permitted. Clarification of quotations may be provided only in response to SAHARI's request for clarification or request for additional information.

10- Evaluation and Comparison of Quotations:

SAHARI will evaluate and compare the quotations, the evaluation of the quotation will take into account base on the following factors:

- I. Supplier Company. This involves verification of the vendor's documents and compliance with administrative requirements, registered or not, having enough experience or not, having enough operational capacity or not, having enough financial resources or not.. etc.
- II. Technical responsiveness. This involves technical compliance with the specifications in relation to our requirements.
- III. Cost Analysis.
- IV. Delivery time and schedule.
- V. Payment terms and payment method.
- VI. Warranty period offered and after service provision.
- VII. Any other specific criteria related to the technical specifications of goods or their associated services.

11- Right to Accept or Reject Quotations:

SAHARI reserves the right to accept or reject any quotation, to render any or all of quotations as nonresponsive, and to reject all quotations at any time prior to the award of the contract, without incurring any liability or obligation to inform the affected supplier(s). SAHARI shall not be obligated to award the contract to the lowest-priced offer.

12- Award of Contract:

Prior to the expiration of the period of quotation validity, SAHARI shall award the contract to the eligible supplier that obtains the highest combined score of technical and financial evaluation.

13- Payments Conditions:

Payment will be made only upon SAHARI's acceptance of the goods and services performed. The terms of payments shall be within 30 days, after receipt of the final invoice and Goods/ Services Receipt Note (GRN) stamped by the SAHARI representative. Payment will be effected in the currency of the contract.

FORM A: QUOTATION SUMMARY FORM

Name of		Date:	
RFQ Reference	PS/WHH8/11/6		

To SAHARI

We, the undersigned declare that;

Having examined the RFQ documents for the Rehabilitation of 4 Sawakin's Health Facilities. RFQ No.PS/WHH8/11/6 issued on, the receipt of which is hereby duly acknowledged, I quote to complete the supply and deliver the SERVICES in conformity with RFQ documents for the total fixed lump sum price of: _____

Validity of the Quotation: _____

Delivery Time: _____

Payment Terms: _____

Name: _____

Title: _____

Date: _____

Signature: _____

Stamp:

FORM B: FORM OF DECLARATION

Name of		Date:	
RFQ Reference	PS/WHH8/11/6		

To: SAHARI

We hereby declare that our firm,

- ✓ Have not declared bankruptcy, are not involved in bankruptcy or receivership Proceedings, and there is no judgment or pending legal action against us that could impair our operations foreseeable future.
- ✓ We comply with our duty to pay social insurance contributions, taxes, or other levies in accordance with legal provisions of the state in which we have our office, the state of the consignee, or the state where the contract is performed. We assure you that we will comply with legislation applicable and common standards in terms of wages, social legislation, and occupational safety and health.
- ✓ We have not received a legally binding sentence due to fraud, corruption, participation in a criminal association, or another act directed against the financial interests of the International Humanitarian Aid Community.
- ✓ Have not been suspended, debarred, sanctioned, or otherwise identified as ineligible by any UN Agency or international organization, or another national organization.
- ✓ We declare that all the information and statements made in this Quotation are true and we accept that any misinterpretation or misrepresentation contained in this quotation may lead to our disqualification and or sanctioned by SAHARI.

Name: _____

Title: _____

Date: _____

Signature: _____

Stamp:

FORM F: PRICE SCHEDULE FORM

Name of		Date:	
RFQ Reference	PS/WHH8/11/6		

The Supplier is required to prepare the price schedule following the below format. The price schedule must include a detailed cost breakdown of all goods and related services to be provided. separate figures must be provided for each functional grouping or category, if any.

Price Schedule:

Item	Description	Unit	Qty	Unit Price	Total Price
1	Alshata				
1.1	Replacement of the Main Room's wooden roofing with cement board roofing, including wooden beams (7m*8m)	M ²	56		
1.2	Rehabilitation of the Main Room's Floor Plastering, Ensuring using cement Sand mortar with mix Ratio , 1:6 (C:S) , including curing the plastered walls at least three days (twice /day) .	M ²	50		
1.3	Rehabilitation of the Main Room's Plastering and Painting (Inside and outside) , Ensuring using cement Sand mortar with mix Ratio , 1:6 (C:S) , including curing the plastered walls at least three days (twice /day) .	M ²	180		
1.4	Replacement of the Storage Room's wooden roofing with cement board roofing, including wooden beams (3m*3m)	M ²	9		
1.5	Rehabilitation of the Storage Room's Plastering and Painting (Inside and outside) Ensuring using cement Sand mortar with mix Ratio , 1:6 (C:S) , including curing the plastered walls at least three days (twice /day) .	M ²	72		
1.6	Rehabilitation of the Storage Room's Floor Plastering ,Ensuring using cement Sand mortar with mix Ratio , 1:6 (C:S) , including curing the plastered walls at least three days (twice /day) .	M ²	9		
1.7	Reuse of the wooden roof boards in the construction of an extra waiting area	Job	1		
1.8	Construction of 1/2Brick 3m Walls Separating the Main Room Into 4 Rooms	MI	11		
1.9	Rehabilitation of 8 wooden windows(150cm*100cm) and 2 wooden doors(80cm*220cm) including (Paint using Almuhands paint and fixation)	Job	1		
2	Althamara				

2.1	Construction of a new storage room as per attached plan and drawings details	Job	1		
2.2	Supply of 100 Liter Vertical Water tank (three layers) with Connections.	Lum - Sum	1		
2.3	Supply and Installes of 0.5 HP Water Pump (Gronfosa)	Lum - Sum	1		
2.4	Supply and Installes of Water Taps very good quality	Pcs	2		
3	Alomada				
3.1	Rehabilitation of The Main Room's Roof parapet wall 0.5m Height	M	11		
3.2	Apply Waterproof to the Roof's Sheets (12m*11m)	M ²	132		
3.3	Rehabilitation of Doors and Windows, including 2 cates Painting using Almouhandise Paint Work and Handels 6 Steel Windows and 2 Steel Doors	Job	1		
3.4	Construction of Parameter Fencing (Using galvanized and coated posts 2.4 meters in length and installed in 300*600 mm concrete footings. Use 50*50 mm angle steel for all terminal and corner posts, and 40*40*4.0mm angle steel for all line posts. The 1.8 meter high mesh fabric must be with a 4mm minimum diameter with 50*50 mm aperture, aluminized or coated galvanized steel. The installation must utilize three horizontal tension wires (top, middle, bottom) and corresponding tension bars and bands on all terminal and corner posts. The mesh must be secured to the posts and tension wires using tie wires every 300mm to ensure tension and prevent sagging across the long span.)	MI	170		
3.5	Supply and construct a permanent Post and Beam Canopy structure attached to the existing room over a 12m*3m footprint. The scope includes constructing a 150mm thick reinforced concrete slab-on-grade foundation (min. 25 MPa strength) over a 100mm granular sub-base. The canopy shall be supported by a minimum of five intermediate 100*100mm (or larger) Structural Grade, Pressure-Treated Timber (H3/H4) posts along the 12m open side (spaced at 3m centers max). Posts must be anchored securely to the slab using galvanized post bases. The 3m clear span shall use 200*50mm minimum roof beams at 600mm C/C, secured with heavy-duty galvanized steel connectors. The canopy roof shall be a single slope with a minimum pitch of 1:60 for positive drainage. The roof shall be clad directly with 10 mm thick minimum Fiber Cement Board panels, secured with	Job	1		

	corrosion-resistant fasteners, and made waterproof by sealing all joints with flexible PU sealant.				
3.6	Dislodging of Latrines pits and repair Plumbing (for 3 Drophole Latrine, 3.5m*2.5m Septic)	Job	1		
3.7	Separation of the Men and Women Latrine Entrances (2m*1m Wall 1/2Brick)	M	1		
3.8	Rehabilitation of Septic tank and Sanitary Well Plastering (3m*3m)	M ²	4		
3.9	Welding the Small Windows Openings (30cm*80cm)	Item	6		
4	Batra				
4.1	Rehabilitation of Main Entrance (Paint work and minor welding) (3m*3m)	Job	2		
4.2	General Cleaning and Plumping maintenance of the Latrine	Job	1		
4.3	Supply and Installation of 2 Wooden Doors for The Latrine (220*80)	Job	2		
4.4	Supply and Installation of 2 Squat Seats in Latrine Including Tiling (6.5m ²)	Job	1		
4.5	Supply and fixing of of 3 Manhole Covers 40*40	Item	3		
4.6	Rehabilitation of underground water Tank, Including Plastering and A Cover (40cm*40cm)	M2	5		
4.7	Replacement of 2 Rooms Wooden Doors (220cm*80cm), Including Wooden Frames, locks, and hinges	Job	2		
4.8	Rehabilitation of 7 Wooden Windows (150cm*120cm), Including Paint Work, Locks, and Handles	Job	7		
4.9	Rehabilitation of The Wooden Ceiling Covers (Ablakash Wood Sheets)	M2	20		
4.10	Waterproofing the Roof's Zinc Sheets (12m*11m) (Including Minor Bolt Holes Repairs)	M2	150		
4.11	General maintenance of Electrical connections and Replacement of 8 Light Pulpes with LED 4ft lamps	Job	1		
VAT					
GRAND TOTAL					

Name: _____

Title: _____

Date: _____

Signature: _____

Stamp: _____

TECHNICAL SPECIFICATIONS

Preamble

These Technical Specifications delineate the comprehensive requirements for the rehabilitation of the health facilities, as meticulously detailed in the accompanying Bill of Quantities (BoQ) and the Price Schedule. All construction and rehabilitation work shall be executed to the most stringent standards of quality and workmanship, rigorously adhering to established best engineering practices and the explicit instructions provided by Sahari Organization for Development (SAHARI) or their officially designated representatives. Prospective contractors are strongly encouraged to conduct site visits to thoroughly ascertain the existing conditions and the precise nature of the work required prior to submitting their bids.

1. General Requirements

1.1. Scope of Work

The scope of work encompasses the comprehensive rehabilitation of water and sanitation facilities across four specified health facility locations: Alshata, Althamara, Batra, and Alomada. This undertaking includes, but is not limited to, a diverse range of activities as itemized in the Price Schedule. These activities include an extensive renovation of walls (including plastering and painting), rehabilitation of floor plastering, provision and installation of water pumps, execution of roofing works, and, notably, the new construction of dedicated storage rooms at Altamara.

1.2. Site Identification

The precise units and exact locations designated for rehabilitation within each named site shall be definitively confirmed through a joint site visit and a formal handover process. This process will be conducted under the direct supervision and direction of SAHARI or its authorized representatives prior to the commencement of any work on site.

1.3. Measurement Standards

All measurements pertinent to the works, including dimensions for repairs, installations, and new constructions, shall be meticulously taken and rigorously verified. Measurements for the purpose of payment will be based strictly on the items enumerated in the Bill of Quantities (BoQ) and the actual work completed and formally approved by SAHARI.

1.4. Site Management and Cleanliness

The Contractor is obligated to maintain all work areas and adjacent zones in a consistently clean and orderly condition, entirely free from construction debris, dust, and mud throughout the project duration. All waste materials generated from demolition and rehabilitation activities, including excavated soil, must be collected promptly and disposed of at officially approved locations in an environmentally sound manner. This emphasis on environmental responsibility extends beyond simple removal, requiring contractors to demonstrate a clear plan for waste management that adheres to best practices, potentially including segregation and recycling where feasible, and compliance with all applicable local environmental regulations. The Contractor shall ensure that their operations do not impede normal traffic flow or interfere with other activities of the site inhabitants or users during the execution of the works.

1.5. Protection of Existing Property

The Contractor shall exercise the utmost care and implement all necessary precautions to safeguard existing structures, operational services (such as utilities), and vegetation that are not explicitly designated for removal or alteration. Any damage incurred to existing property as a direct consequence

of the Contractor's operations shall be rectified and fully restored by the Contractor, entirely at their own expense, to the complete satisfaction of SAHARI.

2. Construction and Rehabilitation Plan

2.1. Approval of Plan

The Contractor shall develop and submit a comprehensive Rehabilitation Plan to SAHARI for formal approval prior to the initiation of any works on site.

2.2. Content of Plan

The Rehabilitation Plan must, at a minimum, encompass the following detailed components:

- **2.2.1. Detailed Work Schedule:** A precise schedule broken down by each specific site and individual activity, clearly outlining timelines and milestones for project completion.
- **2.2.2. Management System, Site Organization, and Team Formation:** A clear organizational structure for site management, including an organizational chart and detailed Curriculum Vitae (CVs) of all key personnel assigned to the project.
- **2.2.3. List of Materials and Equipment:** A comprehensive list detailing all materials proposed for use, including their full specifications and sources, alongside a list of all equipment to be employed for each task.
- **2.2.4. Detailed Methodology:** A step-by-step methodology for each type of rehabilitation work specified in the Bill of Quantities, including procedures for demolition, surface preparation, repair techniques, installation processes, and specific new construction methodologies, particularly for the storage rooms at Ongab and Abu-Baker Alsiddig.
- **2.2.5. Testing and Inspection Methodology and Schedule:** A clear plan for testing and inspection of all completed works, including specific procedures for plumbing leak tests, water pump operational checks, structural integrity verification for new constructions (e.g., roofs, slabs), and confirmation of correct floor slopes for drainage.
- **2.2.6. Quality Control System and Procedures:** A robust system outlining the procedures and checks to ensure continuous compliance with all specified technical requirements and standards throughout the project lifecycle.
- **2.2.7. Security, Health, and Sanitation Measures:** A plan detailing security measures for materials and equipment on site, as well as comprehensive health and sanitation measures for both workers and the public utilizing or accessing the facilities.
- **2.2.8. Waste Management Plan:** A detailed plan for the management and disposal of all construction debris and any hazardous materials generated during the project.

3. Schedule of Works and Sites

The rehabilitation and construction works shall be executed at the following health facility locations, with specific tasks and quantities as detailed in the Price Schedule (FORM F) and the relevant Bill of Quantities:

- Alshata
- Althamara
- Alomada
- Batra

4. Materials

4.1. Material Specifications and Approval

The Contractor shall comprehensively describe the specifications, applicable standards (British Standards (BS)), and the procurement plan for all materials within their submitted Rehabilitation Plan. Formal approval from SAHARI's Supervisor is mandatory before any material is procured or utilized on site. All materials supplied and installed shall be new, of first quality, and fit for purpose, unless explicitly stated otherwise.

Contractors may propose equivalent alternatives, but any such alternatives must be of demonstrably equal or superior quality and must undergo rigorous approval by SAHARI's Supervisor. This approval process will necessitate the submission of samples and comprehensive technical data sheets for evaluation prior to any procurement or use on site.

4.2. Quality of Materials

All materials utilized in the works shall be of good quality, entirely suitable for their intended purpose, and free from any defects. Samples of all proposed materials must be submitted to SAHARI's Supervisor for approval upon request, prior to bulk procurement or installation.

Specific Material Requirements:

The following specific material requirements are derived from the Bills of Quantities and the general specifications:

- **Cement:** Ordinary Portland Cement of an approved brand and standard.
- **Sand:** Must be clean, sharp, and entirely free from deleterious substances.
- **Aggregate:** Shall be hard, durable, and clean, suitable for all specified concrete mixes.
- **Bricks (for storage rooms/repairs):** Must be well-burnt, solid, and of regular shape and size.
- **Timber (for doors/roofing):** Must be seasoned, sound, and free from knots, shakes, and insect infestation. It must be treated against termites where appropriate.
- **Paints:** Must be of good quality, durable, and suitable for the prevailing environmental conditions. The specific type (e.g., emulsion, oil-based) must be approved.
- **Pipes and Fittings (Plumbing):** PPR pipes of appropriate class/schedule, adhering strictly to design specifications and SAHARI approval. All fittings must be fully compatible with the chosen piping system and of approved quality.
- **Water Pump:** A 0.5 HP surface pump must be supplied complete with all necessary fittings, controls, and safety devices. Manufacturer's specifications and warranty details are to be provided.
- **Reinforcement Steel (if needed):** Deformed bars complying with relevant standards.
- **Fiber Cement Board:** For roofing, a good quality Fiber Cement Board sheet of 35mm thickness is required, designed with a 1:100 one-way slope.

4.3. Toxicity

All materials proposed for use shall be certified as free of toxicity. Should any materials with potential toxicity be considered, the Contractor is obligated to consult immediately with SAHARI's Supervisor, provide comprehensive safety data sheets (SDS), and obtain explicit written approval prior to their use.

4.4. Storage

Materials shall be stored on site in a manner that effectively prevents deterioration, contamination, or damage from environmental factors or theft. Specifically, cement shall be stored in a dry, weatherproof shed, elevated from the ground to prevent moisture absorption.

5. Methodology for Rehabilitation and Construction Works

5.1. General Rehabilitation Principles:

This section outlines the fundamental principles and standard practices applicable to all rehabilitation and construction activities across the project sites.

5.1.1. Assessment and Preparation

Prior to commencing any work on a specific unit, the Contractor shall conduct a thorough assessment of the existing condition. Areas designated for repair or renovation shall be meticulously cleaned and prepared. This includes the careful removal of all loose materials, damaged plaster, peeling paint, or broken tiles.

5.1.2. Demolition and Removal

Demolition activities shall be executed with precision and care to prevent any damage to adjacent structures or components intended for retention. All debris resulting from demolition activities must be collected and removed from the site on a daily basis.

5.1.3. Plastering

Surfaces designated for plastering shall be thoroughly cleaned, roughened (if deemed necessary to ensure adhesion), and adequately wetted prior to application. Plaster shall be applied in the specified layers, achieving a smooth, even, and plumb finish. The cement-sand mortar mix ratio shall be approved by SAHARI, typically 1:4 or 1:5 for internal walls, and 1:3 or 1:4 for external or wet areas. For the storage rooms, a specific 0.02m thick cement/sand plaster (1:6) using Atbara cement and clean plaster sand is specified.

5.1.4. Painting

All surfaces to be painted shall be clean, dry, and properly prepared, including priming and filling of imperfections, before paint application. Paint shall be applied evenly in the number of coats specified or as required to achieve full, uniform coverage (minimum two coats). For the storage rooms, the application includes a prime coat, putty, and 2 coats of plastic emulsion paint to be finished with matte oil paint for internal walls, and 3 coats of emulsion Almohandis paint for internal and external plastered surfaces.

5.1.5. Floor work

Floor areas scheduled shall be screeded to the precise levels and slopes, with a minimum slope of 1:50 towards drains or squat pans to ensure efficient water drainage.

5.1.6. Door Rehabilitation/Installation

Existing wooden doors slated for rehabilitation shall undergo necessary repairs, sanding, and repainting or varnishing. Hinges, locks, and handles are to be repaired or replaced as needed to restore full functionality and security. New doors shall be precisely fitted and installed with all necessary hardware.

5.1.8. Plumbing Works

All plumbing installations, including pipes, taps, and connections, shall be executed by qualified and skilled plumbers. All joints must be watertight, and the entire system shall be rigorously tested for leaks upon completion. All sanitary appliances shall be properly connected to the designated disposal system.

5.1.9. Roofing

New roofing installations, particularly for the storage rooms, shall be structurally sound, fully weatherproof, and securely fixed to withstand local conditions. Materials (e.g., Artameed, timber frame) must be approved by SAHARI. For the storage rooms, the specification includes a Fiber Cement Board sheet of 35mm thickness with a 1:100 one-way slope, and the rate includes all associated materials such as steel columns, rafters, purlins, galvanized steel sheet, thermal insulation, stiffeners, caps, facials, gutters, angles, and cleats.

5.1.10. Water Pump Installation

The 0.5 HP water pump shall be installed strictly according to the manufacturer's instructions and industry best practices. This includes all necessary electrical connections (to be performed by a qualified electrician), suction and delivery piping, and any required foundation or protective housing. The installed system must undergo performance testing to confirm optimal operation.

5.2. Specific Methodologies for Major Works

This section provides detailed technical specifications for the distinct rehabilitation and construction activities required at each health facility, integrating information from the Price Schedule and relevant Bill of Quantities.

5.2.1. Alshata Health Facility Works

5.2.1.1. Wooden and Cement Board Roofing Replacement: The replacement of existing wooden roofing with cement board roofing shall involve:

- Careful dismantling and removal of the existing wooden roof structure.
- Installation of new wooden beams/trusses (as specified in BoQ/Plans) with appropriate spacing, treated against termites.
- Installation of the new roof covering using good quality **Fiber Cement Board sheets**.
- The roof shall be constructed with a minimum one-way slope of **1:100** to ensure efficient rainwater runoff.

5.2.1.2. Internal Wall Construction for Room Division:

Materials: Walls shall be constructed using well-burnt, solid bricks and a cement-sand mortar mix (1:4).

Foundations: The new internal division walls must rest on a reinforced concrete strip footing or slab, as appropriate, to prevent settlement cracks.

Finishing: The new walls shall be plastered (1:5 mix) and painted to match the existing adjacent structures (as per General Principles).

5.2.1.3. Construction of Waiting Area using Reclaimed Wood: The replaced wooden roof boards from the main and storage rooms must be inspected, cleaned, cut, and treated with an approved wood preservative/anti-termite treatment before being incorporated into the new waiting area structure. The design shall be functional, safe, and approved by SAHARI's supervisor prior to construction.

5.2.1.4. Wooden Windows and Doors Rehabilitation: This involves sanding, repairing any structural or surface damage, repainting or varnishing the wooden doors/windows to a high standard, and replacing or fixing all locks, handles, and hinges to ensure security and full functionality.

5.2.2. Althamara Health Facility Works

5.2.2.1. Construction of New Storage Room: The construction of the new storage room must strictly follow the dimensions, structural specifications, and materials outlined in the attached Bill of Quantities (BoQ) and construction plans. This includes:

a. Construction of Storage Room:

The construction of the storage room at Abu Bakr Alsiddig requires adherence to the following detailed specifications:

- Earthwork and Excavation:
 - Excavation should be as per standard technical specification. Price inclusive of planning, excavation & filling of sides if necessary, removal of soils and disposal of it out of site and clearance of beds to the required depth as per technical drawings.
 - Excavation for strip foundation: 13 ml, 0.60m width x 0.80m depth for Store and cart away the excavated soil from site.
 - Provide and apply uneven stone for strip foundation: 13 ml, 0.60m width x 0.80m height above plain concrete.
- Backfilling:
 - Backfilling to all building under ground floor plain concrete.
 - Backfilling with selected material: 2.7 m3, non-expansive, well-graded selected material approved by engineer, deposited in 15 cm layers, depth 0.30m, watered & well compacted to achieve the required density.
- Concrete works:
 - Rates shall include but not limited all equipment necessary for transferring, depositing and discharging concrete, all types of frameworks required to give fair-face concrete, all struts bracing, scaffolding or staging and accessories, all materials including reinforcing steel bars, tying wire, cement, sand....etc. watering and curing with clean water for at least 5 days.
 - Plain Concrete:
 - Plain concrete under strip foundation: 7.8 m2, 5cm thickness, mix 1:3:6 (grade 15), smooth surface finish and required expansion joints as per specifications and drawings.
 - Plain concrete for floor slab: 1.35 m3, 0.15m thickness, mix 1:3:6 (grade 15) for floor slab with light reinforcement Y10@150C/C with smooth surface finish and required expansion joints as per specifications and drawings.
 - Reinforcement Concrete:
 - Provide all materials for reinforcement concrete (RC). All steel bars from "Al Asaad Steel". Cost shall include rod reinforcement (grade 640N/mm² for all sizes), providing materials, cutting to sizes, bending to shape and fixing in position as per drawings and specifications.
 - Reinforcement concrete for strip foundation grade beam: 1.17 m3, Grade 25, mix 1:2:4, 4Ø16mm STR 8mm @ 150mm C/C for strip foundation grade beam (0.30m X 0.30m).
 - Reinforcement concrete for doors and windows lintel: 3.3 ml, Grade 25, mix 1:2:4, Y16@15C/C for doors and windows lintel thickness 0.15m.

○ Brick & Masonry works:

- Rates shall include but not limited all: Provide & build (ordinary red burned bricks) in cement/sand mortar (1:6) for one brick wall or more, (1:4) for half brick wall, all types of bricks to be approved by engineer. All measure will be net. All scaffoldings, all cutting to form bond, opening holes and all required materials and labors. Rates shall allow for required opening of doors, windows....etc.
- 2 brick wall from strip foundation: 13 ml, Ordinary red, burned bricks, mix 1:6 C/S mortar from strip foundation Height (0.15m) as per drawing.
- 1 brick wall from floor level to roof: 45.5 m2, Ordinary red, burned bricks, mix 1:6 C/S mortar from floor level up to roof level of 3.50m height for outer walls.
- ½ brick wall Partition walls for parapet: 13 ml, Ordinary red, burned bricks, mix 1:6 C/S mortar from roof level up to 0.30m height for parapet walls.
- Brick wall as steps: 1 Job, supply and build brick wall mix 1:6 C/S mortar as steps (1 riser @ 0.15m height) and width of 1.2m with good finishing and plastered in C/S mortar 1:6 mix as per drawings.

○ Roofing:

- Rates shall include Installation, labor, straight cutting, fixing, drilling, riveting, etc. and 2 coat of approved paint before delivery of Timber work as per drawings and specifications.
- Fiber Cement Board sheet: 12.11 m2, Good quality, 35mm thickness with 1:100 one way slope. Rate shall include all material eg. Wooden column, rafters, purlins, cement board sheet, thermal insulation, stiffener, cap, facial, gutter, angles, cleats, etc. & labor & fixing in position as per drawing & specification. Sample must be submitted and approved.

○ Plastering works:

- Provide & apply 0.02m thick cement/sand plaster (1:6), mix (Atbara cement) and clean plaster sand free from mud and grass, all materials to be checked by site engineer. Prices of plastering works shall include supply of all materials, galvanized angles (for exposed edges), galvanized mesh (between wall and Concrete) mixing, scaffoldings, curing, workmanship & tools and anything else needed, all according to drawings, specifications, conditions, and directed instructions by the engineer or his representative.
- Plastering to internal walls: 51 m2.
- Plastering to external walls: 96 m2.

○ Painting works:

- Provide materials and apply prime coat, putty and 2 coats plastic emulsion paint to be finished with matte oil paint for internal walls, for internal & external plastered surfaces 3 coats of emulsion Almohandis paint.
- Painting internal walls: 51 m2.
- Painting external walls: 96 m2.

○ Doors & Windows:

- Provide and erect hinged pressed steel doors and windows from a reputable source. All should be made of 1.2mm steel box-section and 8mm steel sheets. Frame dimensions are: 8x4cm and 6x3cm for doors and 6x3cm for windows. Rate to include ironmongery and factory powder painted, fastener, bolts, hinges, cutting, welding, finishing, locks as per drawings and specifications. Sample to be approved by engineer.

- Exterior Door type (main entrance): 1 No, 1.00m x 2.20m.
- Window (ventilation): 1 No, 1.00m x 1.20m and to fix metal steel bars at the external side for safety purposes.
- High Level Window (ventilation): 1 No, 1.50m x 0.75m and to fix metal steel bars at the external side for safety purposes.

5.2.2.2. Water Supply and Pump Installation:

The **0.5 HP Water Pump** must be supplied complete with all necessary non-return valves, PPR piping, fittings, and an electrical protection circuit (circuit breaker) to ensure safe and reliable operation. Manufacturer's specifications and a minimum 1-year warranty must be provided.

The **100 Liter Tank** shall be installed on a suitable, stable base and securely connected to the pump and the two new water taps.

5.2.3. Alomada Health Facility Works

5.2.3.1. Roofing Parapet Rehabilitation and Waterproofing:

Parapet: The 0.5m high brick wall must be repaired by replacing damaged sections with new, well-mortared brickwork (1:4 cement-sand mix), ensuring structural integrity and proper height uniformity to support the roof sheets.

Roof Waterproofing: The 132 M² roof sheets must be cleaned and primed. A durable **liquid-applied waterproofing membrane** or an approved **bituminous membrane** (minimum 3mm thick) shall be applied across the entire surface to ensure complete protection against water ingress. Application must follow manufacturer specifications strictly.

5.2.3.2. Perimeter Fencing Construction: The **170 M** perimeter fencing must adhere to the following specifications for durability and security:

- **Posts:** Use **galvanized and coated steel posts, 2.4 meters in length.**
- **Footings:** All posts must be installed in **300 mm x 600 mm concrete footings.**
- **Post Types:** Utilize **50 mm x 50 mm angle steel** for all terminal and corner posts, and **40 mm x 40 mm x 4.0 mm angle steel** for all intermediate line posts.
- **Mesh Fabric:** The mesh must be **1.8 meters high** with a **4 mm minimum diameter** wire and a **50 mm x 50 mm aperture.** The material must be aluminized or coated galvanized steel.
- **Tensioning:** Installation must incorporate **three horizontal tension wires** (top, middle, bottom). Corresponding tension bars and bands must be used on all terminal and corner posts to maintain tautness.
- **Fastening:** The mesh must be secured to the posts and tension wires using tie wires at intervals of **300 mm** to ensure continuous tension and prevent sagging across long spans.

5.2.3.3. Construction of Permanent Post and Beam Canopy Structure (Waiting Area) (Item 3.5): This task involves the supply and construction of a permanent canopy structure attached to the existing room over a **12m x 3m footprint (36 M²)**, adhering to the following structural requirements:

- **Foundation Slab:** Construct a **150 mm thick reinforced concrete slab-on-grade** foundation over a **100 mm granular sub-base**. The concrete strength must be a minimum of **25 MPa**.
- **Posts:** The canopy shall be supported by a minimum of **five intermediate 100 mm x 100 mm (or larger) Structural Grade, Pressure-Treated Timber (H3/H4) posts** along the 12m open side. Posts must be spaced at a maximum of **3m centers** and anchored securely to the slab using **galvanized post bases**.
- **Roof Structure:** Utilize **200 mm x 50 mm minimum roof beams at 600 mm centers (C/C)** for the 3m clear span. All connectors must be **heavy-duty galvanized steel** to secure beams and posts.
- **Roof Cladding and Drainage:** The roof shall be a single slope with a minimum pitch of **1:60** for positive drainage. It shall be clad directly with **10 mm thick minimum Fiber Cement Board panels**, secured with corrosion-resistant fasteners.
- **Waterproofing:** All panel joints must be thoroughly sealed with a **flexible PU sealant** to ensure complete waterproofing.

5.2.3.4. Latrine and Septic System Rehabilitation:

- **Dislodging and Plumbing Check:** The **3-drophole latrine and 3.5m*2.5m septic tank** must be professionally dislodged and emptied. A comprehensive plumbing check must follow to ensure all pipes, joints, and the septic tank outflow are functioning correctly.
- **Entrance Separation:** The **2m*1m wall** separating the men's and women's latrine entrances shall be constructed using well-burnt, solid bricks, plastered, and painted to ensure privacy and clear demarcation.
- **Plastering:** The septic and sanitary well plastering (**4 M²**) shall be rehabilitated using a high-strength, waterproof cement-sand mortar (**1:3 mix**) to ensure structural integrity and sanitation.

5.2.3.5. Welding of Small Window Openings: The welding of **6 small window openings (30cm*80cm)** shall use a metal plate or sturdy steel mesh, securely welded to the existing frame. The finished product must be treated with an anti-rust primer and a final coat of paint for durability and security.

5.2.3.6. Steel Doors and Windows Rehabilitation: Rehabilitation involves thorough inspection, removal of rust, application of a rust inhibitor/primer, repainting, and replacement or repair of all locks, handles, and hinges on the 6 steel windows and 2 steel doors to ensure smooth operation and security.

5.2.4. Batra Health Facility Works

5.2.4.1 Main Entrance and Internal Door Works:

- **Entrance Rehabilitation:** The rehabilitation of the two 3m x 3m main entrance areas involves thorough cleaning, surface preparation, rust removal, minor **welding repairs** to secure any loose elements, and applying a primer followed by a minimum of two coats of durable exterior paint.
- **Internal Door Replacement:** This involves the replacement of two 220cm x 80cm wooden doors for the main rooms. New wooden door leaves, complete wooden

frames, heavy-duty locks, and robust hinges must be supplied and installed to ensure smooth operation and security.

5.2.4.2 Latrine System and Water Tank Rehabilitation:

- **General Maintenance and Plumbing:** Full deep cleaning of the latrine area. A comprehensive **plumbing check** shall be conducted on all supply lines and drainage systems to identify and rectify any leaks, blockages, or faulty connections.
- **Latrine Doors:** Supply and installation of two new 220cm x 80cm wooden doors for the latrine units, including all necessary hardware (frames, locks, handles, hinges) for privacy and security.
- **Squat Seats and Tiling:** Supply and secure installation of two new squat seats. The entire **6.5 M²** latrine floor area must be prepared, leveled, and tiled using new, **non-slip ceramic tiles**, complete with appropriate sanitary wall skirting.
- **Manhole Covers:** Supply and secure fixing of three durable **40 cm x 40 cm** manhole covers to ensure safety and prevent debris entry into the drainage system.
- **Underground Water Tank:** The **5 M²** internal surface of the underground water tank must be thoroughly cleaned, prepped, and replastered using a **waterproof cement-sand mortar** (e.g., 1:3 mix). A new **40 cm x 40 cm inspection/access cover** must be supplied and installed securely.

5.2.4.3 Windows, Ceiling, and Roof Works:

- **Wooden Windows Rehabilitation:** Rehabilitation of seven 150cm x 120cm wooden windows. This includes sanding, necessary repairs to the wooden frames, repainting, and fixing/replacing all locks, latches, and handles to restore full functionality and security.
- **Ceiling Cover Rehabilitation:** Rehabilitation of **20 M²** of the wooden ceiling cover (Ablakash/Plywood sheets). This involves inspecting, securing loose panels, repairing minor damage, and painting/finishing the visible ceiling surface to restore integrity and appearance.
- **Zinc Sheet Waterproofing:** The **150 M²** zinc sheet roof must be thoroughly cleaned. All existing **minor bolt holes must be inspected and sealed** using a specialized, flexible sealant (e.g., rubberized or PU-based). A **liquid-applied waterproofing sealant/membrane** shall then be applied across the entire roof surface to ensure a long-lasting, leak-proof seal.

5.2.4.4 Electrical System Maintenance: General maintenance of all electrical connections, including inspecting and tightening wiring, ensuring all switches and sockets are functional, and rectifying any minor faults. This specifically includes the replacement of **8 faulty lighting units** with new, energy-efficient **4ft LED lamps**.

VI. Waste Management

6.1. All construction and demolition waste, including excavated material, old fixtures, and packaging, shall be regularly collected and transported off-site by the Contractor to an officially designated disposal site. This process must adhere to the principles of environmentally sound waste management, ensuring that disposal methods minimize environmental impact.

6.2. The Contractor shall actively pursue efforts to recycle materials where feasible and appropriate, contributing to sustainable project practices.

6.3. No burning of waste is permitted on site under any circumstances.

VII. Testing, Inspection, and Handover

7.1. Testing and Verification

The Contractor shall conduct thorough tests to verify the proper functioning of all rehabilitated and newly constructed components. This includes:

- Leak tests for all plumbing works, septic tanks, and wells to confirm watertight integrity.
- Operational tests for water pumps and ablution facilities to ensure full functionality and performance.
- Verification of structural stability for all new constructions, including VIP latrines, roofs, and slabs, to confirm safety and adherence to design.
- Confirmation of correct floor slopes for drainage to prevent water accumulation and ensure hygiene.

7.2. Inspection

SAHARI's Supervisor retains the right to inspect the works at all stages of the project. The Contractor shall provide full access and necessary assistance for such inspections. Any work found not conforming to the specified requirements shall be rectified by the Contractor entirely at their own cost.

7.3. Final Inspection and Handover

Upon the completion of all works at each site, the Contractor shall formally request a final inspection. Once SAHARI's Supervisor is satisfied that the works have been completed in strict accordance with the specifications and Bill of Quantities, a completion certificate will be issued, and the facility will be formally handed over.

VIII. Deficiencies

8.1. In the event of deficiencies in the work, SAHARI's Supervisor shall have the right to reject the work totally or partially, or to require the replacement or rectification of the rejected portion of the work.

8.2. Any costs incurred due to materials, labor, or equipment expended on rejected work, or for its subsequent rectification, shall be borne entirely by the Contractor at their own expense.

8.3. Work may be rejected for reasons including, but not limited to:

- Failure to adhere to the approved Rehabilitation Plan or methodologies.
- Use of unapproved or substandard materials.
- Poor workmanship, evidenced by issues such as uneven plaster or paint, loose tiles, leaking plumbing, or unstable structures.
- Repaired or newly installed components failing to function as intended (e.g., blocked drains, non-operational pump, leaking septic tank).
- Incomplete work as per the Bill of Quantities.
- Failure to meet specified health, safety, or environmental requirements.
- Any failure of the rehabilitated or constructed works prior to formal handover to SAHARI.
- Insufficient provision of information required in these specifications or requested by the Supervisor.