REPUBLIC OF LEBANON

COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

LEAP - Lebanon Emergency Assistance Project

Rehabilitation of Shelters (Public Schools & TVET)

Batch 5: Lot 1, Lot 2 and Lot 3

Lot 2: West Bekaa, Zahle and Rashaya

Tender Documents

Volume 4
Assessment & Preliminary Design Report

September 2026
Rev. 1

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Qab Elias Technical School

(School TVET 5)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 19

BRIEF DESCRIPTION:

- Site Coordinates: 33°47'36.97"N 35°49'24.87"E
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 195 Students
- The school consists of 1 Blocks.
- Qab Elias TVET consists of:
  - Ground Floor: Classrooms, Director Room, 4 Toilets (2 girls toilets,2 boys toilets), Kitchen.
  - First Floor: Classrooms, Director Room, 1 Director Toilet
  - Roof Floor.

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works.
2. Repair of existing wooden doors where needed.
3. Repair of existing steel doors where needed.
4. Repair of existing curtains where needed.
5. Rehabilitation of Partition.
6. Minor Rehabilitation for Kitchen accessories.
7. Electrical works are required.
8. Mechanical works are required.

Notes:

- No Lift available at the school
- School is not accessible for disabled people
- Sewage system of the school connected to town main line (no problem faced)

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

GROUND FLOOR

Internal Paint: Wall – Classrooms



Internal Paint: Wall – Classrooms



Rehabilitation of Wooden Doors: locks
Classroom



Rehabilitation of Wooden Doors: locks
Classroom



Internal Paint: Walls – Classroom



Rehabilitation of Steel Door: Glass – Entrance



FIRST FLOOR

Internal Curtain - Teacher's Room



Rehabilitation of Partition-Corridor



Internal Curtain – Teacher's Room



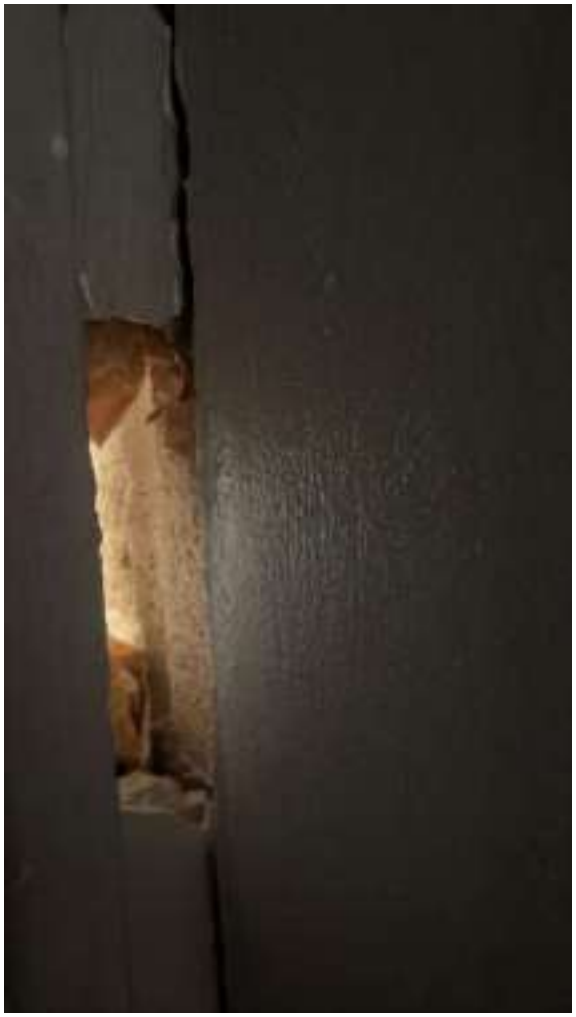
Rehabilitation of Wooden Doors- Classroom



Internal Paint: Walls – Classroom



Rehabilitation of Partition - Classroom





II. MECHANICAL WORKS

GROUND FLOOR

Rehabilitation of Sink – Kitchen



Rehabilitation of mixer-Laboratory Room



Remove of Gaz Water Heater - Toilet



III. ELECTRICAL WORKS

GROUND FLOOR

Sockets and Switches - Corridor



ROOF FLOOR

Remove Electrical Water Heater - Roof



RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Interior moisture may lead to mold growth, deterioration of plaster/paint, unpleasant odors, and potential damage to wall and building materials. Prolonged dampness may also affect indoor air quality.	Identify and repair the source of moisture, improve ventilation, and remove/replace moisture-damaged materials as necessary. Treat affected surfaces for mold after the area is fully dried.
2	Damaged waterproofing may allow water infiltration, leading to moisture damage and deterioration of the roof structure and interior finishes.	Replace the damaged waterproofing membrane and seal all exposed joints and edges. Conduct a water-tightness inspection after repairs.

Severe Mold Growth Associated with Moisture Intrusion- Kitchen of first floor



Severe Mold Growth Associated with Moisture Intrusion- Kitchen of first



Water Infiltration- Classrooms of first floor



Waterproofing Deterioration – Roof



LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Haouch El-Omara TVET

(TVET 6)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION:.....2
SITE LOCATION.....3
REHABILITATION WORKS.....4
RISKS AND RECOMMENDATIONS.....16

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33°50'11.31"N 35°54'16.99"E
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 263 Students.
- The school consists of 1 Block.
- Haouch El-Omara TVET consists of:
  - Ground Floor: Director Room, Playground, Classrooms, Director Toilet.
  - First Floor: 8 Classrooms, 4 Toilets Units (2 Girl's cubical, 2 Boy's cubical)
  - Second Floor: 8 Classrooms, 4 Toilets Units (2 Girl's cubical, 2 Boy's cubical)
  - Third Floor: 8 Classrooms, 4 Toilets Units (2 Girl's cubical, 2 Boy's cubical).
  - Fourth Floor: 8 Classrooms, 4 Toilets Units (2 Girl's cubical, 2 Boy's cubical)
  - Roof.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works.
2. Repair of Tiles where required.
3. New water proof where required.
4. Rehabilitation epoxy paint.
5. Mechanical and Electrical works are required.

Notes:

- Water tanks supplied during the war
- No Lift available at the school
- The ground floor is accessible via an existing ramp and includes an accessible classroom. However, no accessible toilet facilities are currently available on the ground floor.
- Four Prefabricated Toilets units are installed in the schools and located at ground floor playground.
- Sewage system of the school connected to town main line (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Internal Paint: Ceiling - Playground



Water Proofing: Floor – Girl Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

ROOF FLOOR

Rehabilitation of Aluminum Cabinet - Roof



Rehabilitation of Epoxy Paint - Roof



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

New Seat – boys Toilet



New Mixer – Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

New Mirror – Boys Toilet



Remove Shower Head – Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

New Mirror – Girl Toilet



New Flexible – Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

THIRD FLOOR

New Lavatory and New Mirror – Boys Toilet



Rehabilitation of toilet: Hose Bib – Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FOURTH FLOOR

Remove all unused stores equipement in the toilet and remove the Shower Head – Boys Toilet



Rehabilitation of Toilets: Hose Bib – Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

Electrical Switch – Classroom



RISKS AND RECOMMENDATIONS

During our site visit, no risks where encountered:

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4	---	---

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Hawch El Oumara Intermediate Public School

(School CERD 798)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 16

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.836281, 35.906342
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
    - For AM Shift: 231 Students (110 girls,121 boys)
    - For PM Shifts: 279 Students (135 girls,144 boys)
- The school consists of 1 Blocks.
- Hawch El Oumara Intermediate Public School consists of:
    - Ground Floor: 2 Toilet Units (8 cubicles for Girls – 8 Cubicles for Boys), Indoor Playground, outdoor Playground.
    - First Floor: 2 Toilets (1 Boys Toilet and 1 Girls Toilet), 1 Kitchen, Classrooms, 1 room for Administration works.
    - Second Floor: Classrooms, 2 Toilets (1 Boys Toilet and 1 Girls Toilet),

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works.
2. Vinyl repair where needed
3. Window glass replace where needed
4. Tiles Rubbing where needed.
5. Existing curtains require proper fixing
6. Wooden doors require repair.
7. Minor mechanical works

Notes:

- No water tanks supplied during the war
- The lift is currently out of service and requires maintenance
- The ground floor is accessible through an existing ramp and includes accessible classrooms; however, there are currently no accessible toilets.
- Sewerage System of the school connected to town main line 9 (no problem faced)

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

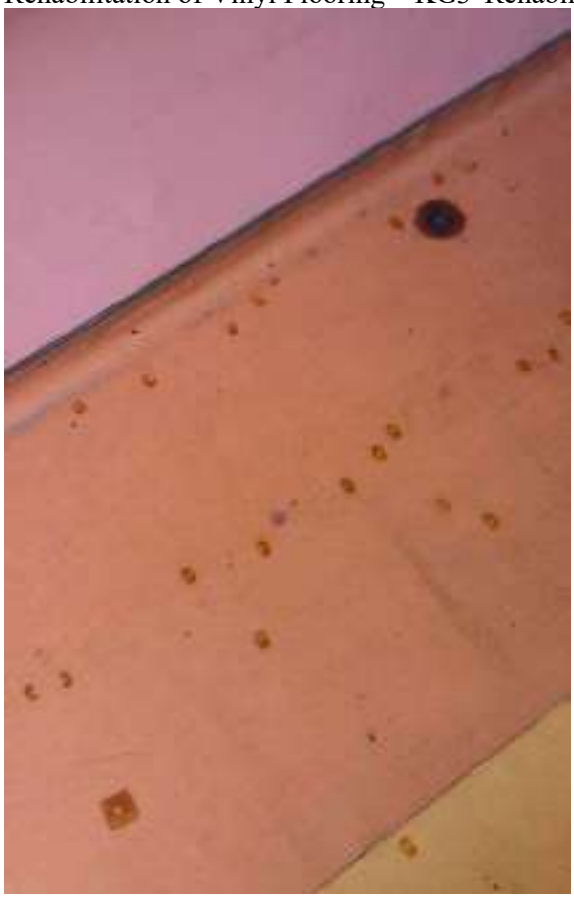
Rehabilitation of Vinyl Flooring: KG2



Rehabilitation of Vinyl Flooring: KG2



Rehabilitation of Vinyl Flooring – KG3



Rehabilitation of Wooden Cabinet: lock – KG3



Rehabilitation of Vinyl Flooring - Grade 1



Rehabilitation of Vinyl Flooring – Grade 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum window: Glass – KG2



Rehabilitation of aluminum window: Glass – KG2



Rehabilitation of wooden door: lock and handles Grade 1



Rehabilitation of Wooden Door: Lock-KG Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Toilets: Aluminum Cabinet – KG Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

Installation of New Educational Panels – Room 1



Installation of New Educational – Corridor



Tiles Rubbing– Room 2



Rehabilitation of Wooden Door: Lock and Handles
Room 5



Rehabilitation of Wooden Door: Lock and Handles
Room 8



Internal Curtains – Room 8



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

EXTERNAL WORKS

Rehabilitation of Gypsum Board-Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Remove Electrical Water Heater - Toilets



FIRST FLOOR

Rehabilitation Toilet: Lavatory - Teacher's Toilet



RISKS AND RECOMMENDATIONS

During our site visit, no risks were encountered:

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4	---	---

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Br Elias Secondary Public School

(School CERD 831)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 14

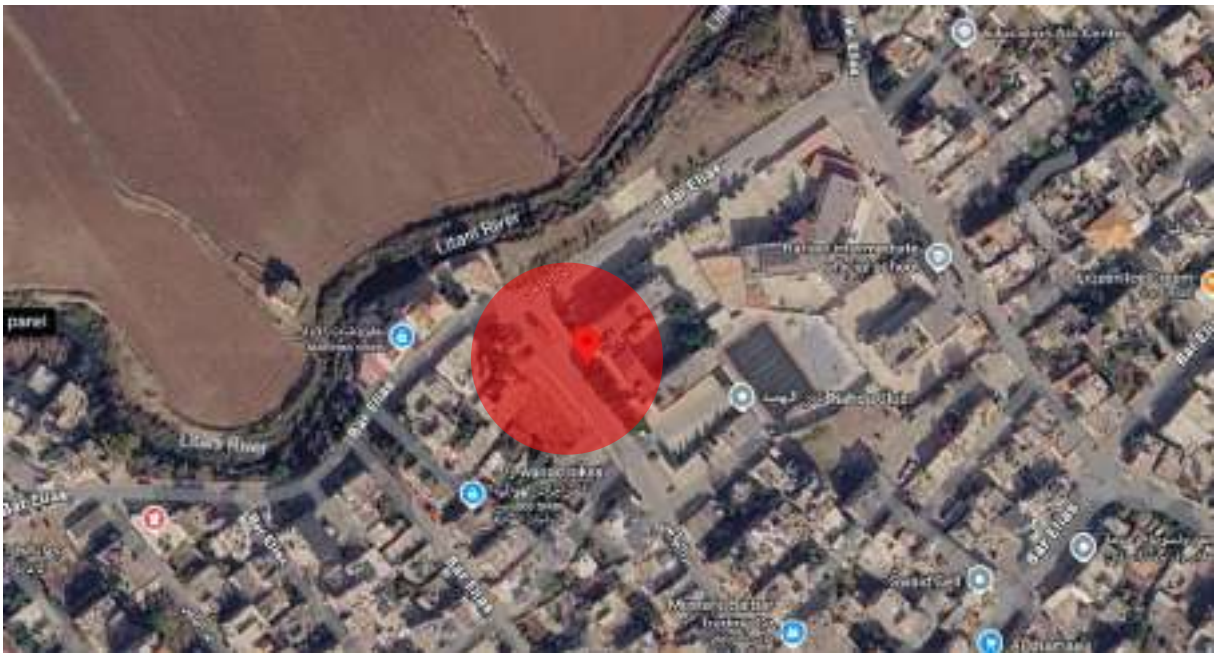
A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.7779080, 35.9005740
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 450 Students
- The school consists of 1 Block.
- Br Elias School consists of:
  - Ground Floor: Administration rooms, 2 administration toilet, 1 Boys toilet, 1 Girls toilet, kitchen.
  - First Floor: 6 Classrooms only were used by the refugees
  - Second Floor: 4 Classrooms only were used by the refugees.
  - Roof Floor.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Rehabilitation of Toilet where needed.
2. Wooden Doors rehabilitation (Locks and Handles)
3. Minor mechanical works.

Notes:

- No lift in the school
- The ground floor is accessible via an existing ramp and includes an accessible classroom and no toilets for people with disabilities.
- Sewage system of the school connected to town main line (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

During our site visit, it was observed that painting works were ongoing at the school and had not yet been completed.



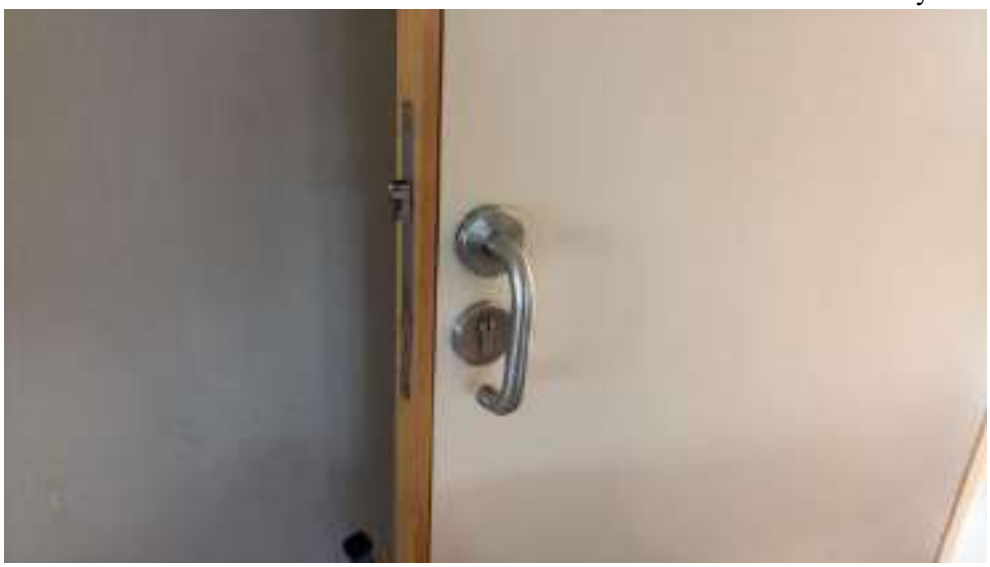


FIRST FLOOR AND SECOND FLOOR:

Supply New Door Locks-In all classrooms used by the refugee.



Rehabilitation of Wooden Door: Locks and Handles- In all classrooms used by the refugee



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Supply New Door Locks-In all classrooms used by the refugee.7.



Rehabilitation of Wooden Door: Locks and Handles- In all classrooms used by the refugee



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Ground Floor:

Remove of Mixers and Shower Haeds
Boys Toilets



Remove of Mixers and Shower Haeds-
Girls Toilets



Remove of Gaz water Heater
Boys Toilets



Remove of Gaz water Heater
Girls Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Flushing Systems- Administration Toilets



Rehabilitation of Flushing Systems- Administration Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation Toilet: New Seat -Girls Toilet



Rehabilitation of Drinking Basin: Taps – Internal Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

EXTERNAL WORKS

Outdoor Water Taps :Faucit



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks were encountered.

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4	---	---

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Meksi Mixed Public School

(School CERD 838)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 12

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.809177, 35.829506
- The building is a gift from Meksi Municipality.
- The school has a total number of students:
  - For AM Shift: 240 Students
- The school consists of 1 Blocks.
- Meksi Mixed Public School consists of:
  - Ground Floor: 8 Classrooms, 1 room for Administration, 1 Director room, Playground and Toilets (3 Cubicles for boys, 3 Cubicles for girls)
  - First Floor: 6 Classrooms.
  - Roof Floor.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works.
2. Minor rehabilitation of toilet accessories.

Notes:

- No water tanks supplied during the war
- No lift in the school.
- The ground floor is not accessible for people with disabilities.
- Sewerage System of the school connected to town main line 9 (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Internal Paint: Walls - All classrooms



Internal Paint: Walls - All classrooms



Internal Paint: Walls - All classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint: Walls - Corridor



Internal Paint: Walls - Corridor



Internal Paint: Walls – Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Internal Paint: Walls - All Classrooms



Internal Paint: Walls - All Classrooms



Internal Paint: Walls - All Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint: Walls - Corridor



Internal Paint: Walls - Corridor



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Remove Electrical Water Heater
Boy and Girls Toilets



Remove Shower Head
Boy and Girls Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks were encountered:

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4		

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Bouarej Mixed Intermediate Public School

(School CERD 840)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 10

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.818157, 35.813602
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 184 Students (98 girls and 86 boys)
- The school consists of 1 Blocks.
- Bouarej Mixed Intermediate Public School consists of:
  - Lower First Floor: 5 Classrooms, Toilets (1 Girls toilet, 1 Boys toilets, 1 Teacher toilets), Library
  - Ground Floor: 1 Administration room,1 Director room (not used by refugee).
  - Roof Floor (Not accessible).

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works.
2. Rehabilitation Toilets.
3. Rehabilitation of wooden doors.
4. New Diesel Heater needs to be added.
5. Removal of water tank which is added during the war.
6. Removal of Gaz Water Heater and Shower Hand.

Notes:

- One Water tank was added during the war
- No lift in the school.
- The school is not accessible for people with disabilities.
- Sewerage System of the school connected to town main line 9 (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LOWER FIRST FLOOR

Rehabilitation of Wooden Doors: Locks
Boys Toilets



Supply of New Diesel Heater
Grade 4



Internal Paint: Walls – Grade 7



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LOWER FIRST FLOOR

Remove Gaz Water Heater and Shower Hand
Toilets



Remove Water tank 2000 L
Outdoor Entrance



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

ROOF FLOOR

Remove Solar Water Heater



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks were founded.

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4	---	---

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Al-Mansoura Elementary and Intermediate Public School

(School CERD 980)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 34

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.67764612882727, 35.81680338769843
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 105 Students
  - For PM Shift: 507 Students
- The school is of approximately 4500 m^2 built up area.
- The school consists of 1 Block.
- El Mansoura Elementary and Intermediate Public School consists of:
  - Basement Floor: Electrical Room, Mechanical Room
  - Ground floor: 9 classroms,5 Boys toilets, 5 Girls toilets and playground
  - First floor: 3 administration Toilets, Teachers Room, computer room, kitchen, lab and 7 classrooms
  - Second Floor: 10 Classrooms & library room
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Supply and installation of window curtains
2. Maintenance of existing aluminum doors and windows, including replacement of broken glass.
3. Repair of existing wooden doors where needed.
4. Replacement of damaged or non-functional lighting fixtures, electrical sockets and switches.
5. Maintenance and repair of toilet sanitary ware and accessories, where required
6. Removal of erected partitions.
7. Painting Works.

Notes:

- Lift is available in the school but it's not working.
- The ground floor is accessible via an existing ramp and includes an accessible classroom and toilet for people with disabilities.
- Two prefabricated Toilets units are installed in the schools since 2024, and located at ground floor playground.
- One water tank 2000L supplied during the war
- Sewage system of the school connected to town main line (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Internal Curtain- Restroom









A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
Restroom



Rehabilitation of Wooden Door: Handle and Lock
Playroom



Rehabilitation of wooden Door: Handle and Lock
Boys toilet



Rehabilitation of wooden Door: Handle and Lock
Boys toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Steel window: Handle
Secretary



Rehabilitation of 3 Wooden Tables
Corridor



Dismantling of partitions-Hall





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Dismantling of partitions -Hall



Rehabilitation of Wooden tables-Hall



Rehabilitation of closet: Leaf -Hall



Internal Curtains -Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum door
Playground



Rehabilitation Aluminum door: Glass
Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum door: Glass
Cafeteria



Rehabilitation of aluminum Window: Glass
Cafeteria



Rehabilitation of aluminum door: Handle
Boys toilet



Rehabilitation of aluminum window: Glass
Boys toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain-Cafeteria



Rehabilitation of aluminum door - Boys toilet



Internal Curtains - Medical Room



Internal Curtains - Medical Room



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of false ceiling- Boys toilet



Rehabilitation of false ceiling- Handicap toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Rehabilitation of handrail- Staircase



Rehabilitation of handrail- Staircase



Internal Curtain- Grade 3



Internal Curtain- Grade 3



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtains
Grade 3



Rehabilitation of aluminum windows: Handle
Cleaning room



Rehabilitation of aluminum windows-Grade 3



Rehabilitation of aluminum windows-Grade 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Mirrors - Toilets



Mirrors - Toilets



Mirrors - Toilets



Mirrors - Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of wooden Door: Handle and Lock
Toilets



Rehabilitation of wooden Door: Handle and Lock
Toilets



Rehabilitation of wooden Door: Handle and Lock
Toilet



Rehabilitation of aluminum windows: Handle
Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum windows: Handle
Toilet



Towel holder
Toilet



Soap Dispenser-
Toilet



Rehabilitation of aluminum windows: Glass
Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum windows
Corridor



Rehabilitation of wooden door: Handle and Lock
Kitchen



Rehabilitation of wooden Table-Grade 4



Internal Curtains - Grade 4



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum window-Corridor



Rehabilitation of aluminum window: Glass-Grade 5



Rehabilitation of aluminum window
Grade 5



Rehabilitation of aluminum window: Handle
Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtains -Grade 4



Internal Curtain-Grade 6



Internal Curtain-Grade 6



Rehabilitation of Handrail - Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

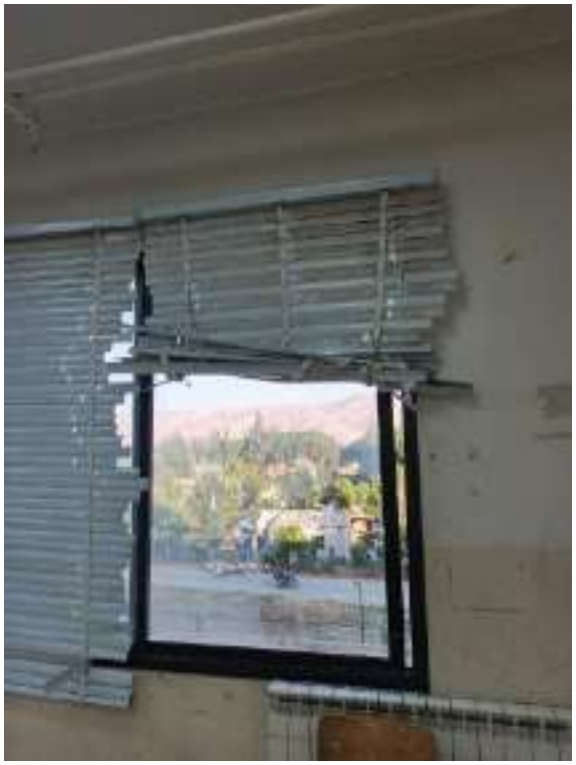
Internal Curtain - Grade 4



Internal Curtain-Grade 4



Internal Curtain
Grade 4



Rehabilitation of wooden door: Frame and Leaf
Grade 4



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of wooden door: Handle and lock
Grade4



Rehabilitation for wooden tables
Library



Rehabilitation of aluminum door: Handle and Lock
Grade 6



Rehabilitation of wooden door: Handle and lock
Grade 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of wooden door: Handle and lock
Library



Rehabilitation of aluminum windows
Grade6



Internal Curtain-Grade 6



Internal Curtain-Grade 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of wooden door: Handle and lock
Art room



Rehabilitation of wooden door: Handle and lock
Art room



Rehabilitation of wooden door: Handle and lock
Grade 5



Rehabilitation of wooden door: Handle and lock
Grade 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum windows - Grade5



Rehabilitation of wooden tables- Grade 5



Rehabilitation of wooden door: Handle and Lock
Toilets



Mirror
Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Supply and install Urinal -Boys toilet



Supply and install Urinal -Boys toilet



Supply and install Urinal -Boys toilet



Seat cover -Boys toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

WC cover -Handicap Toilet



WC cover -Girls toilet



WC cover -Girl’s toilet



WC cover -Girl’s toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

WC cover -Girls toilet



WC cover -Girls toilet



WC cover -Boys Toilet



WC cover -Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

New Lavatory- Administration Toilet



III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Switch Cover - Cafeteria



Lighting Fixtures -Girls toilet



Switch cover - Girls toilet



Lighting Fixture - Girls toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Water leakage was observed in the electrical room in the basement and in the toilet areas.	Waterproofing works are required in all wet areas to prevent water infiltration and ensure proper insulation.
2	Cracks were observed in several areas of the school.	A proper structural assessment should be conducted, followed by the necessary repair and remedial works.
3	Drainage pipe shafts are significantly damaged due to water leakage from the internal pipes.	The source of the leakage should be repaired, and the damaged gypsum boards should be replaced with suitable moisture-resistant materials.
4	Water leakage and dampness were observed on several walls.	Waterproofing treatment and suitable waterproof paint should be applied to the affected external walls to prevent further water infiltration
5	Urinals in Boys toilets	As per MEHE standards, all urinals in Boys toilets shall be dismantled and replaced by new Wall mounted WC (Closed WC cubical)

Water leakage and dampness- Ground floor Hall





Water leakage electrical room - Basement



Water Leakage - Grade 4,GF



Water leakage
Teachers room, GF



Pipe Leakage and encasement damages
Corridor, GF



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Pipe Leakage and encasement damages -Corridor, L1





Pipe Leakage and encasement damages
Grade 5, Second floor



Pipe Leakage and encasement damages
Corridor, Second floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

El Marej Intermediate Public School

(School CERD 984)



Assessment & Preliminary Design Report

August 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 14

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.76030522673655, 35.88157962494264
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 630 Students
  - For PM Shift: 583 Students
- The school is of approximately 5000 m2 built up area.
- The school consists of 1 Block.
- El Marej Intermediate Public School consists of:
  - Ground floor: Electrical Room, Mechanical Room, Principal Room, Outdoor playground ,12 classrooms and 16 toilets
  - First floor: 3 Toilets, Teachers Room and 18 classrooms
  - Second Floor: 6 Classrooms, 2 Toilets
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:



REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Solar batteries where damaged due to misuse of the refugees.
2. Minor rehabilitation in toilets accessories.
3. Repair of existing wooden doors where needed.
4. Lighting fixtures required replacement

Notes:

- No lift is available in the school,
- The ground floor is accessible via an existing ramp and includes an accessible classrooms and toilet.
- Eight prefabricated Toilets units are installed in the schools since 2024, and Located at the ground floor playground.
- No water tanks supplied during the war
- Sewerage system of the school connected to town main line (no problem faced)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of wooden doors: Glass Opening - Grade 1 classroom



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Floor Drain cover: Girls Toilet



WC cover: Girls Toilet



WC Cover: Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



Hose Bib: Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Hose Bib: Boys Toilet



Hose Bib: Boys Toilet



Paper Roller Holder: Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Lighting Fixtures: Girls Toilet



Lighting Fixtures: Boys Toilet



Solar System: 4 batteries





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

El Marej Intermediate Public School was newly rehabilitated; no major risks were observed.

No.	Risk	Recommendation
1	- - -	- - -
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

REPUBLIC OF LEBANON

COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

LEAP - Lebanon Emergency Assistance Project

Rehabilitation of Shelters (Public Schools & TVET)

Batch 5: Lot 1, Lot 2 and Lot 3

Lot 2: West Bekaa, Zahle and Rashaya

Tender Documents

Volume 4 (2/3)
Assessment & Preliminary Design Report



September 2026
Rev. 1

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Joub Jannine Mixed Public School

(School CERD 987)



Assessment & Preliminary Design Report

August 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 25

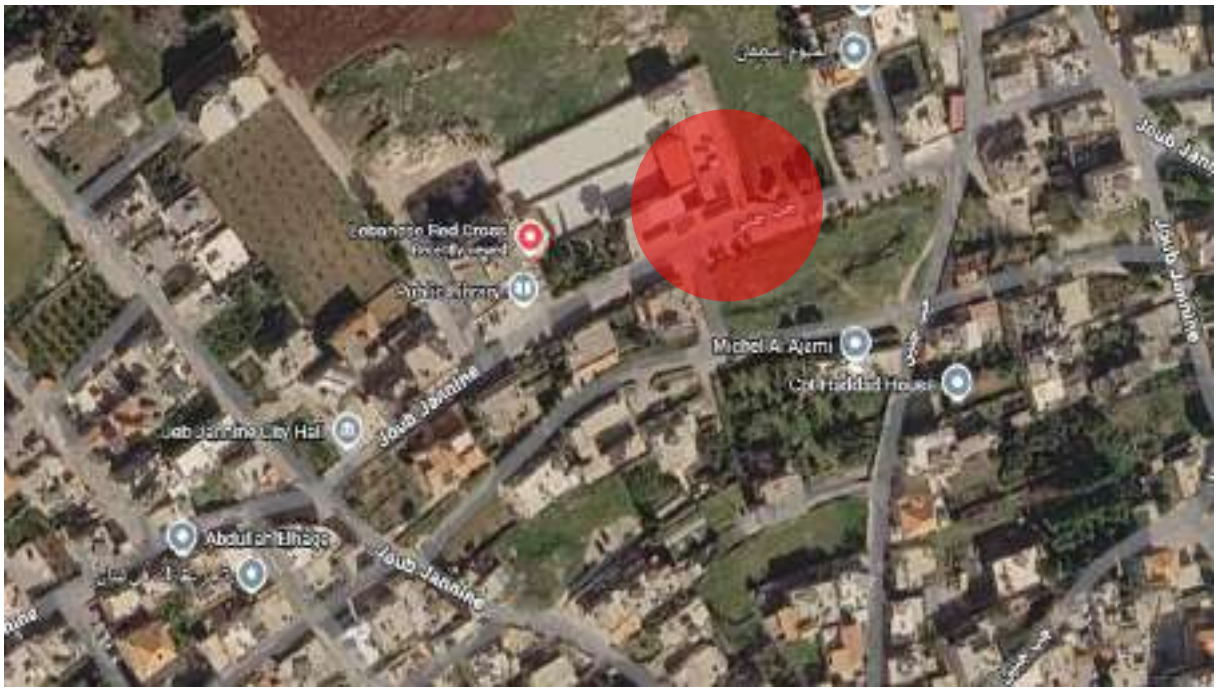
A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.62920992380747, 35.78235136202237
- The building owned by Ministry of Education and Higher Education
- The school has a total number of students:
  - For AM Shift: 135 Students
  - For PM Shift: 370 Students
- The school is of approximately 1800 m^2 built up area.
- The school consists of 1 Block.
- Joub Jannine Mixed Public School consists of:
  - Basement floor: Hall and 5 Classrooms
  - Ground floor: Teachers Room, Principal Room, 9 Classrooms, kitchen and 4 Toilets (2 Girls toilets and 2 Boys toilets)
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting Works for classrooms, corridor
2. Maintenance of existing wooden doors.
3. Repair of Leakage inside Tiolets
4. Maintenance and repair of toilet sanitary ware and accessories, where required
5. Replacement of damaged electrical sockets and Solar batteries

Notes:

- No elevator is available in the school.
- The ground floor is accessible via an existing ramp and includes an accessible classroom and toilet for people with disabilities.
- The school's sewage system is connected to the town's main sewerage network, and no issues were reported or observed.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BASEMENT FLOOR

Rehabilitation of wooden door: Handle
Room 1



Supply and Install of New Institutional Furniture
Room 1



Internal paint: Walls - Room 1



Internal paint: Walls - Room 1



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal paint: Walls – Room 2



Internal paint: Walls – Room 2



Internal paint: Walls – Room 3



Internal paint: Walls – Room 3



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Supply and install wall-mounted coat hooks - Room 2



GROUND FLOOR

Internal paint: Walls -Grade 1



Internal paint: Walls -Grade 1



Internal paint: Walls
Grade 1



Supply and install wall-mounted coat hooks
Grade 1



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal paint: Walls -Grade 2



Internal paint: Walls -Grade 2



Internal paint: Walls
Grade 2



Supply and install wall-mounted coat hooks
Grade 2



Internal paint: Walls -Grade 3



Internal paint: Walls -Grade 3



Internal paint: Walls
Grade 3



Supply and install wall-mounted coat hooks
Grade 3



Internal paint: Walls -Grade 4



Internal paint: Walls -Grade 4



Internal paint: Walls
Grade 4



Supply and install wall-mounted coat hooks
Grade 4



Internal paint: Walls - Grade 5



Internal paint: Walls - Grade 5



Internal paint: Walls
Grade 5



Supply and install wall-mounted coat hooks
Grade 5

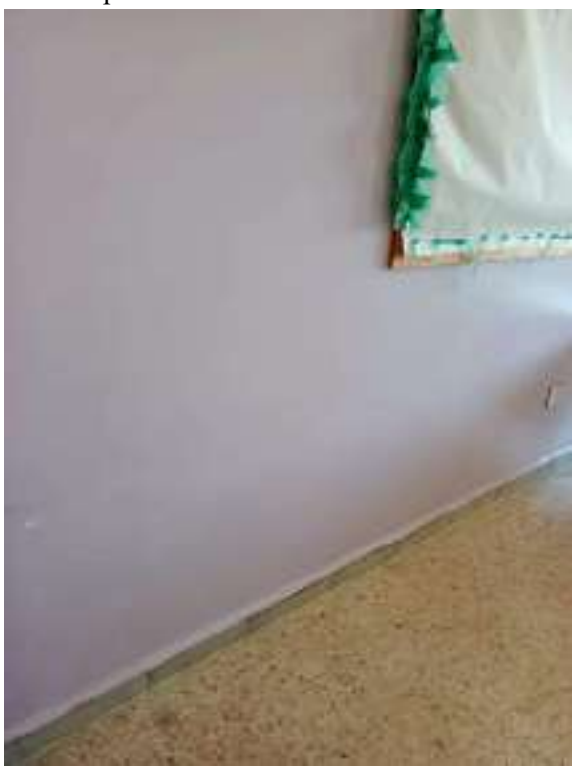


A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal paint: Walls -Grade 6



Internal paint: Walls -Grade 6



Internal paint: Walls
Grade 6



Supply and install wall-mounted coat hooks
Grade 6



Internal paint: Walls – Kitchen



Internal paint: Walls - Kitchen



Internal paint: Walls - Kitchen



Internal paint: Walls -Grade 7



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal paint: Walls -Grade 7



Internal paint: Walls -Grade 7



Internal paint: Walls – Corridor



Internal paint: Walls - Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of alumnimum doors: Handle - Entrance



II. MECHANICAL WORKS



BASEMENT FLOOR

Rehabilitation of toilets:Hose Bib – Boys toilets



Tissue holder – Boys toilets



Maintainace Leakage of washbasin-toilet(boys)



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Lavatory drainage-
Tiolets (Handicap)



Rehabilitation of Wall Leakage
Tiolets (Handicap)



Rehabilitation of Toilet: Hose Bib
Tiolet (Handicap)



Rehablitation of toilets: Leakage floor
Tiolet (Handicap)



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Toilets: Leakage
Toilet (Handicap)



Supply and install kitchen mixer
Kitchen



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Electrical Socket - Grade 4



Rehabilitation of Electrical Socket - Grade 6



Lighting Fixture -Boys Toilets



Lighting Fixture -Boys Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

ROOF FLOOR

Supply and install solar batteries - Electrical Room





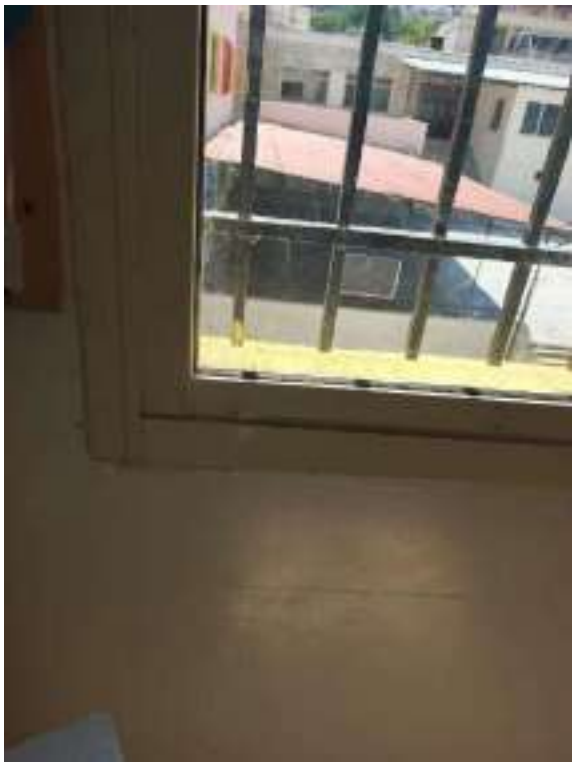
RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Leakage from aluminum windows.	Maintance for Alumuim windows and seal
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

Leakage from aluminum windows-Corridor





LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Kamed El Laouz Intermediate Public School

(School CERD 990)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 28

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.624011141617075, 35.82341067199396
- The building owned by Ministry of Education and Higher Education
- The school has a total number of students:
  - For AM Shift: 231 Students
  - For PM Shift: 320 Students
- The school is of approximately 3400 m2 built up area.
- The school consists of 1 Block.
- Kamed El Laouz Intermediate Public School consists of:
  - Basement floor: Mechanical Room and Storage Room
  - Ground floor: 6 classrooms, 6 boys' toilets and 6 girls' toilets
  - First Floor:16 classrooms, 6 offices, 6 boys' toilets and 6 girls' toilets
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Supply and replace broken tiles
2. Painting Works for classrooms and playground
3. Maintenance of existing wooden doors.
4. Maintenance and repair of toilet sanitary ware and accessories, where required
5. Replacement of damaged electrical sockets and Solar batteries
6. Dismantling of existing partitions inside classrooms

Notes:

- Elevator is available in the school and need maintenance.
- The ground floor is accessible via an existing ramp and includes an accessible classroom and toilet for people with disabilities.
- The school's sewage system is connected to the town's main sewerage network, and no issues were reported or observed.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Tiles Repair
Girls Toilet



Rehabilitation of Wooden Door: Handle and Lock
Girls Toilet



Rehabilitation of Wooden Door - Girls Toilet



Rehabilitation of Wooden Door - Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door - Boys Toilet
Toilet



Rehabilitation of Wooden Door: Frame - Boys Toilet



Tiles Repair
Boys Toilet



Rehabilitation of Wooden Door: Frame
Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock Room 23



Rehabilitation of Wooden Door: Handle and Lock Room 26



Rehabilitation of Wooden Door: Frame – Room 11

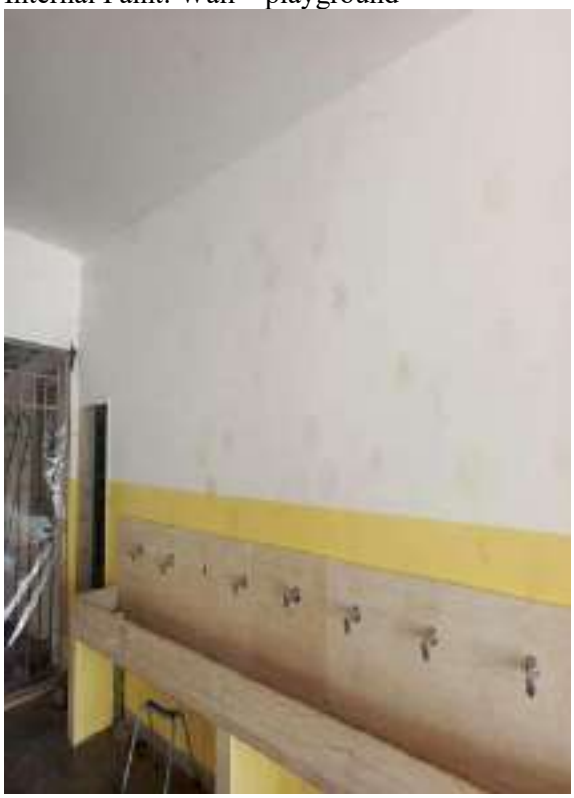


Internal Paint: Wall - playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint: Wall – playground



Internal Paint: Wall - playground



FIRST FLOOR

Dismantiling of Partition - Room 3



Dismantiling of Partition - Room 6



Dismantiling of Partition - Room 5



Dismantiling of Partition - Room 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Dismantiling of Partition - Room 9



Dismantiling of Partition - Room 11



Internal Paint: Wall - Room 11 (Medicine room)



Internal Paint: Wall - Room 11 (Medicine room)



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
Girls Toilet



Internal Paint: Wall
kitchen



Internal Paint: Wall – kitchen



Internal Paint: Wall - kitchen



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
kitchen



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of toilets: Seat cover
- Girls Toilet



Rehabilitation of toilets: Seat cover
- Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Rehabilitation of toilets: Seat cover - Girls Toilets



Rehabilitation of toilets: Seat cover - Girls Toilets



Rehabilitation of Toilet: Paper Roller Holder Girls Toilet



Rehabilitation of Toilet: Lavatory Tap and Fitting Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Toilet: Hose Bib
Girls Toilet



Rehabilitation of Toilet: Hose Bib
Girls Toilet



WC Cover
Girls Toilet



Rehabilitation of Toilet: Soap Dispenser
Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Toilet: Hose Bib
Girls Toilet



Rehabilitation of Toilet: Hose Bib
Boys Toilet



Rehabilitation of Toilet: Hose Bib
Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS



GROUND FLOOR

Lighting Fixture – Boys Toilet



Lighting Fixture – Boys Toilet



Lighting Fixture – Girls Toilet



Lighting Fixture – Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Lighting Fixture – Girls Toilet



FIRST FLOOR

Electrical Switch -Boys Toilet



Lighting Fixture -Boys Toilet



Lighting Fixture -Boys Toilet



Lighting Fixture - Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Lighting Fixture - Girls Toilet



Lighting Fixture - Room 25



Lighting Fixture - Room 24



Lighting Fixture - Room 24



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Lighting Fixture – Room 23



Lighting Fixture – Room 20



Lighting Fixture – Room 20



Lighting Fixture – Room 20



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Lighting Fixture – Room 20



Lighting Fixture - Room 20



Lighting Fixture – Room 18



Lighting Fixture – Room 18



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Lighting Fixture – Room 17



Lighting Fixture – Room 17



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

ROOF FLOOR

Supply And Install Solar Batteries (10 Pcs)-Electrical Room



RISKS AND RECOMMENDATIONS

During our site visit, no major risks were encountered:

No.	Risk	Recommendation
1	Leakage from pipes inside shaft .to basement mechanical room	Maintainace for drainage pipe inside shaft
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

Pipe Leakage- Basement Floor





LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Kamed El Laouz Secondary Public School

(School CERD 991)



Assessment & Preliminary Design Report

August 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 14

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.62551510417331, 35.82487130068706
- The building was provided by the local community
- The school has a total number of students:
  - For AM Shift: 170 Students
- The school is of approximately 2100 m^2 built up area.
- The school consists of 1 Block.
- Kamed El Laouz Secondary Public School consists of:
  - Ground floor: Test Hall, 2 laboratory, kitchen, 8 Girls toilets and 6 Boys toilets
  - First floor: Principal Office, Teachers room,10 classrooms, 3 administrator's toilets
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting Works for classrooms, corridor and staircase
2. Maintenance of existing wooden doors.
3. Replacement of damaged glass of aluminum windows
4. Removal of erected partitions.
5. Supply and installation of window curtains.

Notes:

- No elevator is available in the school.
- The ground floor is not accessible via a ramp, and there are no classrooms located on the ground floor. Toilet for persons with disabilities is available.
- The school's sewage system is connected to the town's main sewerage network, and no issues were reported or observed.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Replace damaged wooden frame -Room 1



Replace damaged wooden frame -Room 2



Removal of partitions in testing hall





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Painting for corridor





Painting for corridor



Painting for Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Painting for staircase walls





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Inetranl Paint-Grade 7



Inetranl Paint-Grade 7



Interanl Paint-Grade 8



Interanl Paint-Grade 8



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Inetranl Paint -Grade 9



Inetranl Paint -Grade 9



Internal Paint-Grade 10



Internal Paint-Grade 10



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internall Paint-Grade Life science Classroom



Internall Paint-Grade Life science Classroom



Internal Painting -Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint-Corridor



Internal Paint-Corridor



Inetrnal Painting- Staircase





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of aluminum window: Glass- Corridor





Interanl Curtain-Grade 10



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

Kamed El Laouz Secondary Public School was newly rehabilitated; no major risks were observed.

No.	Risk	Recommendation
1	- - -	- - -
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Ghazze Intermediate Public School

(School CERD 994)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 32

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.67367798007439, 35.82639677714706
- The building is rent from Ghaze Municipality.
- The school has a total number of students:
  - For AM Shift: 313 Students
  - For PM Shift: 512 Students
- The school is of approximately 2723 m2 built up area.
- The school consists of 1 Block.
- Ghazze Intermediate Public School consists of:
  - Basement Floor: Test Hall, playground ,3 boy's toilets and 3 girl's toilets
  - Ground floor: Principal Office, ,8 classrooms, 3 boy's toilets and 3 girl's toilets
  - First Floor: 8 classrooms, 3 boy's toilets, Teachers room and 3 girl's toilets
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting works for classrooms
2. Maintenance of existing wooden doors.
3. Replacement of damaged or non-functional lighting fixtures , electrical sockets and switches.
4. Maintenance of existing aluminum doors and windows, including replacement of broken glass
5. Maintenance and repair of toilet sanitary ware and accessories, where required
6. Supply and install of window curtains
7. Supply and install wall tiles for toilets

Notes:

- Elevator is not available in the school.
- The ground floor is not accessible via a ramp, and there are classrooms located on the ground floor. Toilet for persons with disabilities is available.
- The school's sewage system is connected to village mainline.no problem noticed
- Two prefabricated showers are available at playground basement floor (2024)

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Internal Curtain – Grade 3



Internal Curtain – Grade 3



Internal Curtain – Grade 7



Internal Curtain – Grade 7



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain – Grade 3



Internal Curtain – Grade 3



Internal Curtain – Grade 5



Internal Curtain – Grade 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Grade 3



Internal Paint Wall – Grade 3



Rehabilitation of Wooden Door: Handle and Lock
Grade 3



Rehabilitation of Wooden Door: Frame
Grade 3



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
Grade 7



Rehabilitation of Wooden Door: Frame
Grade 7



Rehabilitation of Wooden Door: Handle and Lock
Grade 5



Rehabilitation of Wooden Door: Frame
Grade 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain
Computer Room



Rehabilitation of Wooden Door: Handle and Lock
Grade 3



Internal Curtain - Grade 3



New Projector Board - Grade 3



Rehabilitation of Wooden Door: Handle and Lock
Grade 5



Internal Curtain
Grade 5



Internal Curtain – Grade 5



Internal Curtain – Grade 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Internal Paint: Wall - Teacher Room



Internal Paint: Wall - Teacher Room



Internal Paint: Wall - Grade 4



Internal Paint: Wall - Grade 4

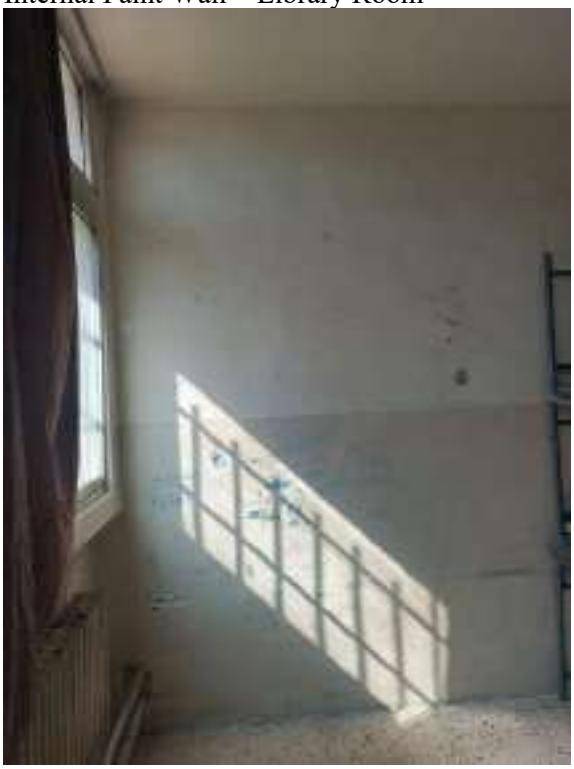


A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Library Room



Internal Paint Wall – Library Room



Internal Paint: Wall - Teacher Room



Internal Curtain - Teacher Room



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain - Grade 4



Internal Curtain - Grade 4



Internal curtain - Teachers Room



Internal curtain - Teachers Room



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain - Grade 4



Internal Paint Wall – Library Room



Internal Curtain - Library Room

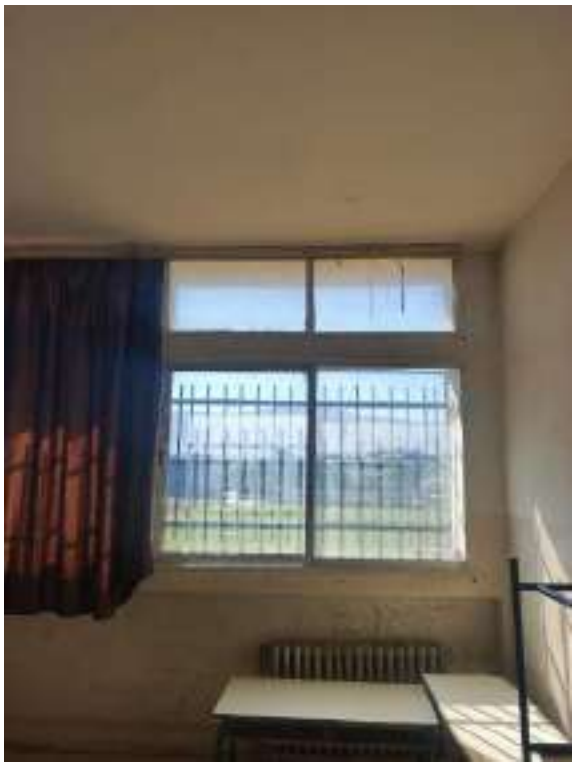


Internal Curtain - Library Room



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain – Room 5



Internal Paint Wall – Room 6



Internal Paint Wall – Room 6



Rehabilitation of Wooden Door: Frame - Room7



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Room 7



Internal Paint Wall – Room 7



Internal Curtain – Room 7



Internal Paint Wall – Room 8



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Room 8



Internal Curtain – Room 8



Rehabilitation of Wooden Door: Frame – Room9



Internal Paint Wall – Room 9



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain – Room 9



Internal Curtain – Room 9



Internal Curtain – Room 10



Internal Curtain – Room 10



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Room 9



Internal Paint Wall – Room 9



Internal Paint Wall – Room 10



Internal Paint Wall – Room 10



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Room 11



Internal Paint Wall – Room 11



Internal Paint Wall – Room 12



Internal Paint Wall – Room 12



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door and Plaster
Room 10



Internal Curtain
Room 11



Rehabilitation of Aluminum Window: Glass
Room 11



Rehabilitation of Wooden Door: frame and Plaster-
Room 11



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Aluminum Window: Glass
Room 12



Rehabilitation of Aluminum Window: Glass
Room 12



Rehabilitation of Aluminum Door: Handle
Office Room



Rehabilitation of Tiles: Wall
Boys Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Tiles – Office Room



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Rehabilitation of Toilet: Flash Tank Cover
Boys Toilets



Rehabilitation of Toilet: Flash Tank Cover
Boys Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Electrical Socket - Grade 7



Electrical Socket – Grade 7



FIRST FLOOR

Electrical Socket - Grade 4



Electrical Socket – Room 5



Electrical Socket – Room 5



Electrical Socket – Room 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Electrical Socket – Room 7



Electrical Socket – Room 9



Electrical Socket – Room 9



Electrical Socket – Room 10



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Electrical Socket – Room 10



Electrical Socket – Room 11



Lighting Fixture – Boys Toilet



Lighting Fixture – Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks were encountered:

No.	Risk	Recommendation
1	- - -	- - -
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Saghbine Secondary public School

(School CERD 1006)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 24

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.6008780732861, 35.6918184229196
- The building owned by Ministry of Education and Higher Education
- The school has a total number of students:
    - For AM Shift: 149 Students
- The school is of approximately 1500 m^2 built up area.
- The school consists of 1 Block.
- Saghbine Secondary public School consists of:
    - Basement floor: Stage and Storage Room
    - Ground floor: 3 Classrooms and 4 Boys toilets and 4 toilets girls
    - First Floor:6 classrooms and toilets
    - Second Floor:5 classrooms
    - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting Works for classrooms
2. Maintenance of existing wooden doors.
3. Maintenance and repair of toilet sanitary ware and accessories, where required
4. Replacement of damaged electrical sockets
5. Maintenance of steel doors and replacement of broken glass
6. Replacement of the damaged drinking water fountain

Notes:

1- Elevator is not available in the school

2- The ground floor is accessible via an existing ramp and includes an accessible classroom and toilet for people with disabilities.

3- The school's sewage system is connected to a septic tank and needs 5. Maintenance in daily basis.

4- Two prefabricated toilets are located in the schools since 2024, and located at ground floor playground.

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Drinking Basin - Near Toilets



Drinking Basin - Near Toilet



Rehabilitation of Aluminum Door: Handle and Lock Boys Toilet



Rehabilitation of Wooden Door: Handle and Lock Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
Girls Toilet



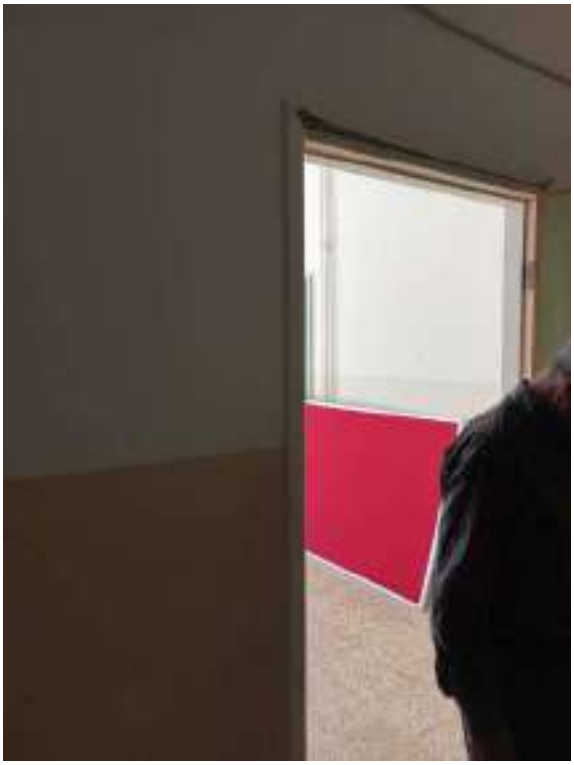
Rehabilitation of Wooden Door: Handle and Lock
Girls Toilet



Rehabilitation of Partition – Room 1



Rehabilitation Wooden Door: Frame – Room 1



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Leaf
Room 1



Rehabilitation of Steel Door: Fiber Glass
Entrance



Rehabilitation of Steel Door: Fiber Glass
Entrance



Rehabilitation of Steel Door: Fiber Glass
Entrance



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Steel Door: Fiber Glass Entrance



Rehabilitation of Steel Door: Fiber Glass Entrance



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Internal Curtain
Room 1



Rehabilitation of Wooden Door: handle and lock
Room 1



Rehabilitation of Wooden door: Glass Window
Room 1



Internal Curtain
Room 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door: Handle and Lock
Room 2



Internal Paint: Wall
Room 3



Internal Paint: Wall
Room 3



Rehabilitation of Wooden Door: Handle and Lock
Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

New Mirror
Boys Toilet



Rehabilitation of Steel Door: Handle and Lock
Room 4



Rehabilitation of Wooden Door: Frame
Room 4



Rehabilitation of Steel Door: Handle and Lock
Room 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Steel Door: Glass
Room 4



Rehabilitation of Aluminum Window: Handle
Corridor



Rehabilitation of Aluminum Window: Lock
Corridor



Internal Paint Wall
Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint Wall – Corridor



Internal Paint Wall - Corridor



Drinking Basin - Girls Toilet



Drinking Basin-Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR

Internal Paint Wall – Room 3



Internal Paint Wall – Room 3



Internal Curtain – Room 4



Internal Curtain – Room 4



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Wall Paint – Room 5



Internal Curtain – Room 1



Internal Curtain – Room 1



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BASEMENT FLOOR

Rehabilitation of Steel Door: Handle and Lock
Storage Room



Rehabilitation of Steel Door: Handle and Lock
Storage Room



Internal Curtain – Stage



Internal Curtain-Stage



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain – Stage



Internal Curtain - Stage



Internal Curtain - Stage



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Toilets – Boys Toilets



Rehabilitation of Toilets – Boys Toilets



Rehabilitation of Toilets– Boys Toilets



Rehabilitation of Toilets: Hose Bib– Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Electrical Switches - Room 1



Electrical Sockets – Room 1



Electrical Switches – Room 3



Electrical Switches – Boys Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Electrical Switche – Room 1



Istall of Camera - Stage



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no major risk was encountered:

No.	Risk	Recommendation
1	Leakage on staircase walls and ceiling	Waterproofing treatment and suitable waterproof paint should be applied to the affected external walls to prevent further water infiltration
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

Leakage: Staircase Walls and Ceiling-Second Floor



Leakage: Staircase Walls and Ceiling-Second Floor



Leakage: Staircase Walls and Ceiling-First Floor



Leakage: Staircase Walls and Ceiling-First Floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Qaraoun Intermediate Public School

(School CERD 1008)



Assessment & Preliminary Design Report

August 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 23

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.56414501012717, 35.72408308041881
- The building owned by Ministry of Education and Higher Education
- The school has a total number of students:
  - For AM Shift: 170 Students
  - For PM Shift: 320 Students
- The school is of approximately 2500 m^2 built up area.
- The school consists of 1 Block.
- Qaraoun Intermediate Public School consists of:
  - Ground floor: Test Hall, playground, kitchen and Toilets (2 Girls toilets and 2 Boys Toilets)
  - First floor: Principal Office, Teachers room,8 classrooms, 6 toilets (3 Girls toilets and Boys toilets)
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Maintenance and repair of toilet sanitary ware and accessories, where required
2. Painting Works for classrooms and playground
3. Maintenance of existing wooden doors.
4. Replacement of damaged or non-functional lighting fixtures, electrical sockets and switches.
5. Maintenance of existing aluminum doors and windows, including replacement of broken glass
6. Tiles Rubbing due to oil stain.

Notes:

- Lift is not available in the school.
- The ground floor is not accessible via a ramp, and there are no classrooms located at this level. However, a room on the ground floor could be used for teaching students with disabilities. A dedicated accessible toilet for persons with disabilities is also available.
- The school's sewage system is connected to village mainline.no problem noticed
- Four prefabricated showers are available at playground ground floor during 2026 war.
- One water tank 2000L was supplied during the war

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Tile Rubbing – Handicap room



Internal Paint: Walls - Handicap room



Internal Paint: Walls - Handicap room



Internal Paint: Walls - Handicap room



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of steel door: Handle
Playground entrance



Rehabilitation of wooden doors: Handle and lock
Boys Toilets



Outdoor Painting- Walls: Exteranl Playground



Outdoor Painting- Walls: Exteranl Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Outdoor Painting- Walls: Exteranl Playground



Outdoor Painting- Walls: Exteranl Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Rehabilitation of Aluminum door: Glass Corridor



Rehabilitation of Aluminum door: Glass Corridor



Rehabilitation of Wooden door: Lock and Handle Room 7



Rehabilitation of Wooden door: Lock and Handle - Room 5



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden door: Lock and Handle
Room 4



Rehabilitation of Aluminum window
Room 1



Painting for door frame – Room 2



Painting for door frame – Room 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of steel window: Glass - Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of toilets: Hose Bib
Handicap toilet



Rehabilitation of toilets: Flush Bottom
Handicap toilet



Rehabilitation of toilets: Seat Cover
Girls toilet



Rehabilitation of toilets: Seat Cover
Girls toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of toilets: Seat Cover
Girls toilet



Rehabilitation of Drinkin Basin: Taps
Playground



Rehabilitation of Drinkin Basin: Taps
Playground



Maintainace for water filtration system
Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Maintainace for water filtration system
Playground



Rehabilitation of toilets: Seat cover
Boys toilets



Tissue Roller Holder – Boys toilets



FIRST FLOOR

Rehabilitation of toilets: Hose Bib – Girls Toilet



III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Switch and Sockets – Girls Toilets



Electrical Box cover-Boys Toilets



Switchs Rehabilitation -Boys Toilets



Fixation for loose ceiling conduits-Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Fixation for loose ceiling conduits-Playground



Supply and install 6 neon lights-playground



Supply and install 6 neon lights-playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Switchs Rehabilitation - Room9



Switchs Rehabilitation -Room 8



Switchs Rehabilitation -Room 7



Sockets Rehabilitation - Room 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Switchs Rehabilitation - Room 4



Lighting Fixture - Room4



Lighting Fixture -Girls Toilets



Lighting Fixture -Boys Toilets

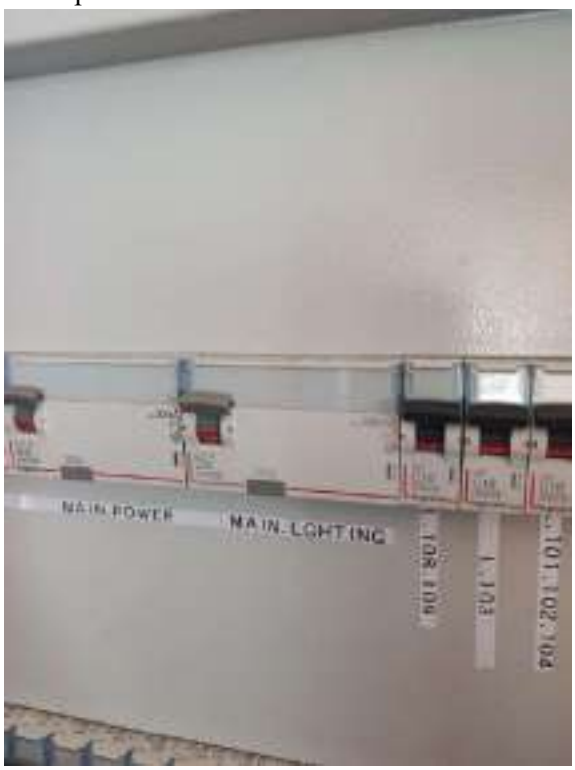


A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Sockets Rehabilitaion
Room2



Supply and install main lighting breaker
Principal Office



RISKS AND RECOMMENDATIONS

During our site visit, no risks are founded

No.	Risk	Recommendation
1	- - -	- - -
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Al Rafeed Intermediate Public School

(School CERD 1019)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 13

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.570926, 35.816362
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 295 Students
- The school consists of two Blocks.
- Al Rafeed Public School consists of:
  - Block A:
    - Ground Floor: 5 Classrooms, 3 Store rooms, Boiler room.
    - First Floor: 2 Classrooms, 2 WC, Administrations, Supervisor room, computer lab, kitchen.
    - Second Floor: 5 Classrooms, 2WC.
  - Block B:
    - 2 Toilet Units (4cubicles for Girls – 4 Cubicles for Boys).

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed Painting works.
3. Repair of existing wooden doors where needed.
4. Rubbing work for existing tiles.
5. Maintenance of existing Steel doors.

Notes:

- No lift is available in the school.
- The ground floor is accessible via an existing ramp and not includes an accessible classroom and toilet.
- Two water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).
- one prefabricated shower unit since 2024, and located at the ground floor playground.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Internal Paint: Wall - Classroom 01



Internal Paint: Wall - Classroom 02



Tiles Rubbing – Corridor



Tiles Rubbing – Classroom 03



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation Aluminum Window: Glass
Classroom 03



Rehabilitation Aluminum Window: Glass
Corridor



Removal of Wooden Partition – Classrooms



Removal of Wooden Partition - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Internal Curtains - Classroom 01



Internal Curtains - Classroom 01



Rehabilitation of Wooden Doors – Toilets



Rehabilitation of Wooden Doors - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation of Steel Door – Classrooms



Rehabilitation of Steel Door - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation of toilets: Lavatory and accessories



Removal of Shower Head



FIRST FLOOR:

Maintenance of flushing systems (first floor) dismantling and rearrangement for the added pipes





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Removal of Shower Head – Male Toilets



Removal of Shower Head – Female Toilets



Removal of Water Heater – 1st floor Near toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Main entrance (elevation 1) The entrance and staircase leading to the main street pose a safety risk to students and affect public safety.	Install new handrail for the stair and landing repair as per the Engineer's recommendation
2	Water leakage due to failure of the waterproofing system is causing dampness and may adversely affect the health and well-being of the children.	Repair for the existing waterproofing membrane as per Engineer's recommendation

Location of Main Entrance



Water Leakage - Classrooms



LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Al Biri Intermediate Public School

(School CERD 1021)

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 14
REQUIRMENTS: ..... **Error! Bookmark not defined.**

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.586941, 35.819679
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 141 Students
- The school consists of one Block.
- Al Biri Public School consists of:
  - Ground Floor: Covered Playground, 3Administration rooms, Director room, KG covered playground,2 Classrooms, 3 KG Classrooms, 2 Toilet Units (4 cubicles for Girls – 4 Cubicles for Boys), 2 toilets for teachers, Kitchen.
  - First Floor: 8 Classrooms, 2 toilets, Laboratory.
  - Second Floor: Activities Hall.
  - 2 Stairs

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed
3. Painting works.
4. Repair of existing wood doors where needed.
5. Rubbing for existing tiles tiles.
6. Curtains replacement where needed.
7. Steel doors.

Notes:

- Lift isn't available in the school.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- One water tank supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).
- One prefabricated toilet unit and one prefabricated shower unit since 2024, and located at the ground floor playground.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Internal Paint: Walls - classroom 01



Internal Paint: classroom 02



Internal Paint: Wall and Internal Curtains - Classroom 03



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Rehabilitation of Wooden Doors - Classroom 01



Rehabilitation of Wooden Doors - Classroom 01



New Aluminum Window – Staircase



New Aluminum Window – Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Rehabilitation of Steel Doors – Classrooms



Rehabilitation of Steel Doors - Classrooms



Rehabilitation of Aluminum Windows – Classrooms



Rehabilitation of Aluminum Windows - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

New Vinyl Flooring – Classroom



New Vinyl Flooring - Classroom



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation of Drinking Basins: Taps - Not functioning due to misuse



Rehabilitation of Drinking Basins: Taps - Not functioning due to misuse



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation of Toilets: Flushing Systems
Teachers Toilet



Rehabilitation of Toilets:Lavatory
Teachers Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Removal of The Water Heater



Removal of The Shower Head



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Water leakage through expansion joints.	repair as per the Engineer's recommendation
2	Risk of roof brick tiles broken tiles	repair and replace the broken existing brick tiles as per the Engineer's recommendation
3	Sanitary pit cover access door in the covered playground.	repair as per the Engineer's recommendation
4	Existing septic tank requires emptying and cleaning,	Empty and clean the existing septic tank using a qualified specialist

SECOND FLOOR:

Water Leakage Through Expansion Joints



Water Leakage Through Expansion Joints



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Broken Brick Tiles Damage – on the 2nd floor covered playground :





GROUND FLOOR:

Sanitary Pit Cover Access Door - Covered Playground.



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Ezeh Public School

(School CERD 1022)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION:.....2
SITE LOCATION:.....3
REHABILITATION WORKS.....4
RISKS AND RECOMMENDATIONS.....17

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.615541, 35.853882
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 164 Students
- The school consists of one Block.
- Ezzeh Public School consists of:
  - Ground Floor: 2 Toilet Units (4 cubicles for Girls – 4 Cubicles for Boys), Director room, Kitchen, Computer room, 6 KG Classrooms, 2 Toilets (1 girl toilet and 1 boy toilet).
  - First Floor: 2 Toilets (1 girl toilet and 1 boy toilet), 8 Classrooms.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. New aluminum windows.
3. Painting works.
4. Repair of existing steel doors where needed.
5. Rubbing and cleaning existing tiles.
6. Curtains in the classrooms replacement where needed.
7. Entrance requires full maintenance.

Notes:

- No lift is available in the school.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- one prefabricated shower unit since 2024, and located at the ground floor playground.
- No water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).



I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation Aluminum Door – Entrance



Remove Wooden Partition - Corridor



Remove Wooden Partitions – Balcony covered terrace



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Internal Paint: Wall - Classrooms



Internal Paint: Wall – Corridor



Internal Paint: Wall - Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Internal Paint: Wall – Classrooms



Internal Paint: Wall – Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Tiles Rubbing – Classroom 1st floor



Tiles Rubbing – Corridor Gf floor



Rehabilitation of Steel Doors - Classrooms:



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation Of Aluminum Windows – Classroom



Rehabilitation Of Aluminum Windows - Classroom



Internal Paint: Wall – Corridors



Internal Paint: Wall - Corridors



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR CLASSROOMS:

Repair Tiles – Classroom 1 on the 1st floor



Repair Tiles – Classroom 2 on the first floor



Inrernal Curtain – Classroom 1 on the 1st floor



Inrernal Curtain – Classroom 2 on the 1st floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Drinking Basin: New Taps



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation of Toilets: Cabinet Outdoor



Rehabilitation of Toilets: Lavatories



ROOF FLOOR FOR GROUND FLOOR:

Rehabilitation of water Tank - Roof



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Remove of shower head – Toilets



Remove of Water Heater – Toilets



Rehabilitation of Toilet: Lavatory



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	water leakage through expansion joints	Concrete repair as per the Engineer's recommendation
2	Water leakage due to failure of the waterproofing system is causing dampness and may adversely affect the health and well-being of the children.	Need new installation for the waterproofing SBS membrane
3	Outside light projectors are broken	Replacement of projectors to provide safe and clear environment

ROOF FLOOR:

Rehabilitation of Expansion Joint



Waterproofing Leakage.



LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Kherbet Rouha Mixed Public School

(School CERD 1024)



Assessment & Preliminary Design Report

September.2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
REQUIRMENTS: 13

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.583917, 35.846355
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 500 Students
- The school consists of one Block.
- Kherbet Rouha Public School consists of:
  - Ground Floor: Covered Playground, 4 Store room, Boiler room, KG covered playground, 2 Toilet Units (8 cubicles for Girls – 8 Cubicles for Boys).
  - First Floor: 8 Classrooms, 2 WC, kitchen, Director room, Supervisor room,
  - Second Floor: 8 Classrooms, 2 WC, kitchen, Computer lab, Supervisor room, Group room.
  - 2 Stairs

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed
3. Painting works.
4. Repair of existing wood doors where needed.
5. Rubbing and cleaning of existing tiles.
6. Curtains replacement where needed.
7. Electrical works.

Notes:

- Lift is available in the school, but it isn't in charge.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- One water tank supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).
- one prefabricated shower unit since 2024, and located at the ground floor playground.

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

THIRD FLOOR:

Internal Paint: Wall - classroom 01



Internal Paint: classroom 02



Internal Curtains : classroom



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

THIRD FLOOR:

Rehabilitation of Wooden Doors: Classrooms



Rehabilitation of Wooden Doors: Toilets



GROUND FLOOR:

Tiles Rubbing - Corridor



Tiles Rubbing - Classroom



A. CHEAIB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Internal Curtain - Classroom



Internal Curtain - Classroom



Rehabilitation of Wooden Door - Toilets



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Drinking Basin – New Taps



Rehabilitation of Toilet: Flushing System



Rehabilitation of Toilet: Flushing System



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

THIRD FLOOR:

New Led Lighting Fixtures - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

1. Emptying and cleaning of the existing septic tank.

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Kfardinis Intermediate Public School

(School CERD 1027)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 12
REQUIRMENTS: ..... **Error! Bookmark not defined.**

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.554037, 35.858696
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 170 Students
- The school consists of one Block.
- kfardanis Public School consists of:
  - Ground Floor: Covered Playground, Store room, Director room, Group room, Kitchen.
  - First Floor: 6 Classrooms, 2 Toilets (1 Girls Toilet and 2 Boys Toilets), KG playground, Supervisor room, kitchen.
  - Second Floor: 11 Classrooms, 2 Toilets (1 Girls Toilet and 1 Boys Toilets) , Computer lab, kitchen.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed Painting works.
3. Repair of existing wood doors where needed.
4. Rubbing and cleaning for the existing tiles.
5. Curtains replacement where needed.

Notes:

- No lift is available in the school.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- Two water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Internal Paint: Wall - Classroom 01



Internal Paint: Wall - Classroom 02



Tiles Rubbing - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Rehabilitation of Aluminum Window – Classroom



Rehabilitation of Aluminum Window - Classroom



Internal Curtains – Classrooms on the 2nd floor



ROOF FLOOR:

New Water Proofing – Roof



New Water Proofing - Roof



New Sink - Kitchen



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Drinking Basin: Taps



Rehabilitation for Toilets:Flushing System GF



Rehabilitation for Toilets:Mirror GF



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Remove Water Heater – Toilets



Remove Shower Head - Toilets



Remove Water Heater – Toilets



Remove Shower Head - Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Water leakage from the classroom is affecting the external elevation, causing dampness and creating an unhealthy environment.	Repair the source of water leakage, apply waterproofing treatment, repair damaged plaster, and repaint the affected elevation with weather-resistant coating to prevent further dampness and improve the indoor environment.
2	Risk: Fence settlement, cracks, and damage.	Repair as per Engineer's recommendation: Repair and reinforce the existing fence, including stabilizing settled sections, repairing cracks, and replacing severely damaged sections to ensure the fence is safe and structurally stable.
	In case of a fire	Fire extinguishers for boilers

Water Leakage on The Façade



Risk of Fences Cracks



LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Majdal Balhis Intermediate Public School

(School CERD 1038)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 14
REQUIRMENTS: ..... **Error! Bookmark not defined.**

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.531149, 35.740917
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 85 Students
- The school consists of one Block.
- Majdal Balhis Public School consists of:
  - Basement Floor: 2 Toilet Units (5 cubicles for Girls – 5 Cubicles for Boys), Boiler room.
  - Ground Floor: Covered Playground, Store room, Director room, laboratory, Kitchen, WC.
  - First Floor: 6 Classrooms, 2 KG WC, Group room, Supervisor room, Library.
  - Second Floor: 6 Classrooms, Computer lab, Supervisor room, infirmary.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed
3. Painting works.
4. Repair of existing wood doors where needed.
5. Rubbing and cleaning of the existing tiles.
6. Curtains replacement where needed.
7. Electrical works.

Notes:

- No lift is available in the school.
- The ground floor is accessible via an existing ramp and not includes an accessible classroom and toilet.
- Two water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

First/Second Floor

Internal Paint: Wall – Corridor 1st floor



Internal Paint: Wall – Classroom 2nd floor



Internal Paint: Wall – Classroom on 2nd floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Repair Tiles, rubbing and cleaning for the existing Classrooms on 2nd floor



Repair Tiles, rubbing and cleaning for the existing Classrooms on 1st floor



Tiles Rubbing – Classroom 2nd floor



Tiles Rubbing – Classroom 1st floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS



BASMENT FLOOR

Rehabilitation of Drinking Basin : Taps



SECOND FLOOR

Rehabilitation of Toilets: Flushing Systems Toilets



Rehabilitation of Toilets: Flushing Systems Teachers Toilet

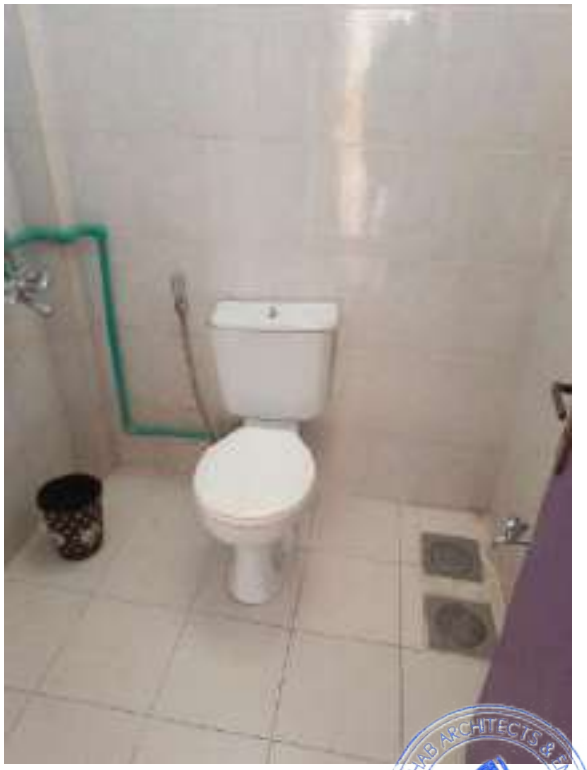


FIRST FLOOR

Remove Water Heater – Toilet



Rehabilitation of Toilets: Flushing Systems-Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Remove Shower - Toilets



Remove Water Heater - Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS



Rehabilitation of Electrical transformer



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Water leakage in the stairwell wall caused by concealed water supply pipes.	repair as per the Engineer's recommendation: Repair of water-damaged stairwell wall, including removal of damaged plaster, surface preparation, application of waterproofing treatment, re-plastering, and repainting with suitable moisture-resistant paint after repairing the concealed water supply leakage.
2	In case of a fire	Fire extinguishers for boilers

Water Leakage Due Broken Water Supply Pipes on Wall.



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Jebfarah-Ezz Al arab Public School

(School CERD 1041)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS ..... **Error! Bookmark not defined.**

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.521033, 35.797506
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - For AM Shift: 91 Students
- The school consists of two Block.
- Jebfarah-Ezz al Arab Public School consists of:
  - Block A:
    - Ground Floor: Covered Playground, Boiler room, Director room, kitchen, toilets for teachers, 2 Toilet Units (4 cubicles for Girls – 4 Cubicles for Boys), Electric room.
    - First Floor: 6 Classrooms, 2 WC, laboratory room, Supervisor room,
    - Second Floor: 6 Classrooms, 2 WC, Library, Supervisor room, Group room.
    - 2 Stairs
  - Block B:
    - 2 Store rooms

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed
3. Painting works.
4. Repair of existing wood doors where needed.
5. Rubbing and cleaning of the existing tiles.
6. Curtains replacement where needed.
7. Electrical works.

Notes:

- Lift isn't available in the school.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- Three water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).
- One prefabricated shower unit since 2024, and located at the first-floor playground.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND / FIRST & SECOND FLOORS:

Internal Paint: Wall - Stairs between 1st & 2nd



Internal Paint: Wall – Classrooms on 2nd floor



Dismantling of Wood Partitions – Classroom On first floor



Dismantling of Wood Partitions – Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Doors – Classrooms On first floor



Rehabilitation of Wooden Doors – Classrooms on first floor



Internal Paint: Walls - Store Room (Block B)



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Tiles Rubbing – Classrooms



Tiles Rubbing - Classrooms



Internal Curtains - Classrooms



Internal Curtains - Classrooms



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Ground Floor:

Rehabilitation of Drinking Basin: Taps



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

First Floor:

Rehabilitation of Toilets: Flushing Systems



Rehabilitation of Toilets: Flushing Systems
Teachers Toilet



Rehabilitation of Toilets: Flushing Systems



Removal Water Heater Teachers Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Electrical Transformer



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks were encountered:

No.	Risk	Recommendation
1	In case of a fire	Fire extinguishers for boilers
2		
3		
4		

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Al Rafeed Secondary Public School

(School CERD 1352)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 17

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.563003, 35.822164
- The building is owned by Ministry of Education and Higher Education.
- The school has a total number of students:
  - 176 Students
- The school consists of one Block.
- Al Rafeed Secondary Public School consists of:
  - Ground Floor: 2 Toilet Units (5 cubicles for Girls – 5 Cubicles for Boys),2 laboratories, Kitchen, 2 rooms, Boiler room, Library, Covered playground.
  - First Floor: 4 Toilets (2 girls toilets and 2 boys toilets), 6 Classrooms, 2 Exams hall, Group room, Supervisor room, 2 Rooms.
  - Second Floor: 7 Classrooms, Director room, 4 Toilets (2 girls toilets and 2 boys toilets), Group room, Supervisor room, Computer room, Infirmary.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Toilets in the school building require full maintenance.
2. Repair of existing aluminum windows where needed.
3. Painting works.
4. Repair of existing wood doors where needed.
5. Rubbing and cleaning existing tiles.
6. Curtains replacement where needed.
7. Electrical works.

Notes:

- No lift is available in the school.
- The ground floor isn't accessible via an existing ramp and not includes an accessible classroom and toilet.
- one prefabricated shower unit since 2024, and located at the ground floor playground.
- Two water tanks supplied during the war.
- Sewerage system of the school connected to a private sanitary pit (no problem faced).

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

GROUND FLOOR

Rehabilitation of Steel Door – Entrance



Rehabilitation of the Existing Wooden Doors Toilets



Rehabilitation of the Existing Wooden Doors Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Internal Paint: Walls - Cover Playground



GROUND & FIRST FLOOR

Rehabilitation of Aluminum Window: Glass Covered Playground



Rehabilitation of Aluminum Window: Glass Classroom on the first floor



SECOND FLOOR:

The existing tiles need rubbing and cleaning:



The existing tiles need rubbing and cleaning:



Rehabilitation of the Existing Wooden Doors for all classroms on the 2nd floor





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Rehabilitation of Aluminum Window – 2nd floor



Rehabilitation of Aluminum Window – 2nd floor



Internal Paint: Walls Cover Playground



Internal Paint: Walls Cover Playground



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SECOND FLOOR:

Internal Paint: Walls – Corridor 2nd floor



Internal Paint: Walls – Stair between 2nd & Roof



Internal Curtains: Classrooms on the 2nd floor



Internal Curtains: Classrooms on the 2nd floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Remove Internal Wooden Partitions
Ground Floor



Remove Internal Wooden Partitions
Ground Floor



Remove Internal Wooden Partitions
Ground Floor



Remove Internal Wooden Partitions
Ground Floor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Rehabilitation of Drinking Basin: Taps – Remove of the previously PPR pipes added during the war



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

Rehabilitation Toilets: Mirrors – Male & Female



Rehabilitation Toilets: Flushing Systems - GF



Rehabilitation Toilets: Mirrors – Male GF



SECOND FLOOR:

Rehabilitation of Toilets:New Lavatory – 2nd floor



Remove Shower Head - Toilets 2nd floor



Water Heater - 2nd floor female toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit the below points were encountered:

No.	Risk	Recommendation
1	Water Leakage – Repair and treatment of water-damaged surfaces, including waterproofing, plaster repair, and repainting.	repair as per the Engineer's recommendation
2	Risk of water to kitchen	Need new type of isolation for wc
3	Outside light projectors are broken	Replacement of projectors to provide safe and clear environment

Water leakage – expansion joint at 2nd floor



Water leakage – 1st to GF



LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Hay Al Fadel Deir Zanoun Elementary Public School

(School CERD 1421)



Assessment & Preliminary Design Report

September 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION:.....2
SITE LOCATION.....3
REHABILITATION WORKS.....4
RISKS AND RECOMMENDATIONS.....17

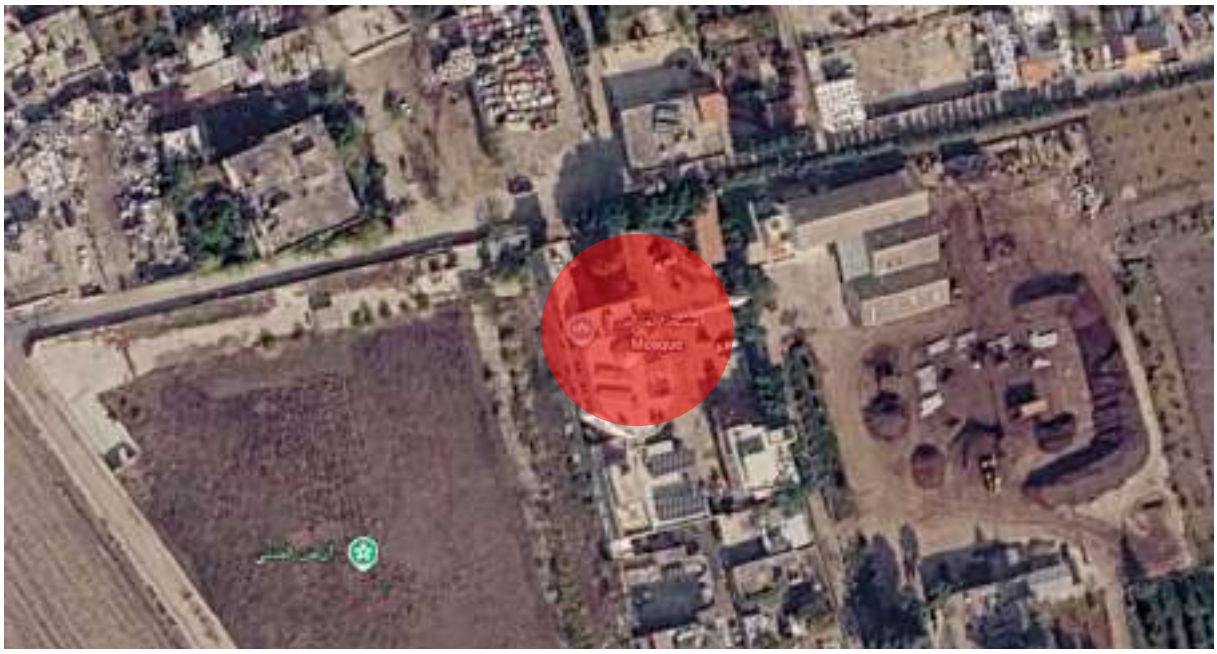
A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

BRIEF DESCRIPTION:

- Site Coordinates: 33.754974, 35.902603
- The building is rented from the Deir Zanoun Mosque.
- The school has a total number of students:
  - For AM Shift: 168 Students
  - For PM Shift: 203 Students
- The school consists of 1 Block.
- Hay Al Fadel Deir Zanoun Elementary Public School consists of:
  - Ground Floor: 8 Classrooms, Director Room, 2 Toilets Unit (5 girls cubical and 5 boys cubical) , kitchen.
  - First Floor:5 Classrooms, Director Room.
  - Roof Floor

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

SITE LOCATION





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Minor rehabilitation of Student toilets.
2. Painting works.
3. Repair of existing wooden doors where needed.
4. Repair of existing steel doors where needed.
5. Crack Repair
6. New Whit Teaching Board
7. Minor rehabilitation for kitchen accessories.
8. Supply of New Institutional Furniture
9. Mechanical and Electrical works are required.

Notes:

- No water tanks supplied during the war
- No Lift available at the school
- The ground floor is accessible via an existing ramp and includes an accessible classroom and no toilet for people with disabilities.
- Sewage system of the school connected to town main line (no problem faced)
- A room was created during the war using three wooden partition walls and one hollow-block wall. After the war, the director found a use for the room, so it will be retained and reused.
- The school's electrical motor deteriorated due to prolonged use, especially during the period when refugees were accommodated in the school.

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR:

New White Teaching Board – Grade 1



New White Teaching Board – Grade 3



New White Teaching Board – Grade 5

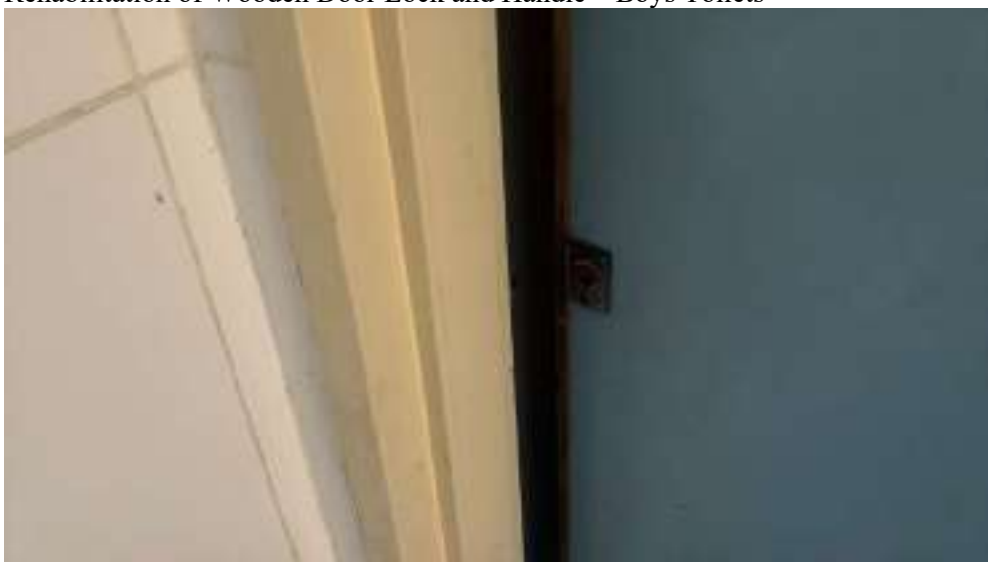


A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Rehabilitation of Wooden Door – Grade 3



Rehabilitation of Wooden Door Lock and Handle – Boys Toilets



Rehabilitation of Wooden Door Lock and Handle – Boys Toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Crack Repair – Corridor



Internal Paint: Wall – Corridor



Rehabilitation of Cabinets – Kitchen



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

New Faucet - Kitchen



New Gaz Cooker – Kitchen



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR:

Rehabilitation of Steel Door: Lock - Corridor



Rehabilitation of Steel Door: Handle - Corridor



Supply of New Institutional Furniture



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Supply of New Institutional Furniture



II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

GROUND FLOOR

Remove Electrical Water Heater - Toilets



Rehabilitation of Flushing Systems -Boys Toilet



Rehabilitation of Flushing Systems -Girls Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

New Lavatory – Outdoor



New lavatory and Hand wash-Girls Toilet



Remove Hand Shower - Toilet



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Electrical Panel Cover - Corridor



Electrical Switch and Socket -Corridor



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

RISKS AND RECOMMENDATIONS

During our site visit, no risks are founded.

No.	Risk	Recommendation
1	---	---
2	---	---
3	---	---
4	---	---

LEBANON EMERGENCY ASSISTANCE PROJECT (LEAP)

Tender Preparation and Construction Supervision Consultant for Shelters

(Batch 5-Lot 2)

Lala Secondary Public School

(School CERD 1571)



Assessment & Preliminary Design Report

August 2026

ABDULWAHED CHEHAB
CONSULTING ENGINEERING OFFICE

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Table of Contents

BRIEF DESCRIPTION: 2
SITE LOCATION: 3
REHABILITATION WORKS 4
RISKS AND RECOMMENDATIONS 16

BRIEF DESCRIPTION:

- Site Coordinates: 33.60050703795841, 35.75727386055561
- The building owned by Ministry of Education and Higher Education
- The school has a total number of students:
  - For AM Shift: 101 Students
  - For PM Shift: 250 Students
- The school is of approximately 3500 m2 built up area.
- The school consists of 1 Block.
- Lala Secondary Public School consists of:
  - Ground floor: Test Hall, playground and 6 toilets (3 Boys toilets and 3 Girls toilets)
  - First floor: Principal Office, Teachers room,12 classrooms, 6 toilets (3 Boys toilets and 3 Girls toilets) and kitchen
  - Second Floor: 12 classrooms, 6 toilets (3 Boys toilets and 3 Girls toilets)
  - Roof Floor



SITE LOCATION:





A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

REHABILITATION WORKS

The items that require repair that were encountered during our site visit consist of the following:

1. Painting Works for classrooms, corridor and staircase
2. Maintenance of existing wooden doors.
3. Supply and installation of window curtains.
4. Maintainace for electrical sockets and switches

Notes:

- Lift is available in the school but it's not working
- The ground floor is not accessible via a ramp, and there are no classrooms located on the ground floor. Toilet for persons with disabilities is available.
- The school's sewage system is connected to the septic tank, and need maintainace on weekly basis
- Two prefabricated Toilets units are installed in the schools since 2024, and Located at the ground floor playground.
- One water tank 2000L was supplied during the war

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

I. CIVIL, STRUCTURAL AND ARCHITECTURAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

New mirror - Boys Toilets



Internal Curtain- Room 8



Internal Curtain -Room 8



Internal Curtain – Room 3



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain – Room3



Internal Curtain - Room5



Internal Curtain-Room 7



Internal Curtain-Room 2



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Curtain - Room 5



Internal Curtain - Room 6



Internal Curtain - Room 6



Internal Paint - Room 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal Paint - Room 5



Internal Paint - Room 5



Internal Paint - Room 6



Internal Paint - Room 6



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

Internal paint
Room 6



Rehabilitation of wooden door: Hanlde and Lock
Girld toilets



Internal paint - Room 7



Internal paint - Room 7



Internal Paint - Room 2



Internal Paint - Room 2



Internal Paint – Staircase



Internal Paint - Staircase



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

II. MECHANICAL WORKS

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

FIRST FLOOR

Supply and install sink - Kitchen



Rehabilitation of toilets – Girls toilets



Rehabilitation of toilets: Hose Bib – Girls toilets
Girls toilets



Rehabilitation of toilets:Flash Bottom
Boys toilets



A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON

III. ELECTRICAL WORKS



FIRST FLOOR

Switch and Sockets – Room 6



RISKS AND RECOMMENDATIONS

During our site visit, no risks are founded.

No.	Risk	Recommendation
1	- - -	- - -
2	- - -	- - -
3	- - -	- - -
4	- - -	- - -

A. CHEHAB ARCHITECTS & ENGINEERS
COMMON SEAL
REPUBLIC OF LEBANON