**Contract for Individual Consultant (other Specialists)**

**Request for written proposal**

**Date:** 5 March 2019

**Request to submit a written proposal for a work assignment with UNESCO**

UNESCO is inviting written proposals from Individual Consultants for the work assignment described in attachment A.

To enable you to prepare a proposal for this assignment, please find attached the following documents:

(a) Terms of Reference (see attachment A);

(b) UNESCO’s contract for Individual Consultants, the contracting modality used for these assignments (attachment B);

(c) Background material concerning the work assignment [if any] (attachment C)

Your written proposal should comprise:

(a) A Technical Proposal consisting of

- an up to date curriculum vitae, and

- an approach and methodology for the assignment, a program and comments on the Terms of Reference if any (in brief).

(b) The amount to be charged for the assignment, which should be quoted in US dollars only. Please show any travel costs separately

Your proposal and any supporting documents must be in English.
UNESCO places great emphasis on ensuring that the objectives of the work assignment, as described in the Terms of Reference, are met. Accordingly, in evaluating the proposals for the assignment, attention will focus first and foremost on the technical elements. From those proposals deemed suitable in terms of the criteria in the Terms of Reference, UNESCO shall select the proposal that offers the Organisation best value for money.

Your proposal should be submitted by e-mail **no later than close of business 12:00 PM on 20 March 2019**. E-mail proposals should not exceed 5MB.

Please address your proposals to the following addresses:

Ms Giorgia Cesaro  
Mr Roy Giamporcaro  

g.cesaro@unesco.org  
r.giamporcaro@unesco.org

It is the individual’s responsibility to ensure that his/her proposal is received by the deadline.

Thank you for your interest in this UNESCO assignment; and we look forward to receiving your proposal.
Terms of Reference

1. Background and Objective

The Petra Archaeological Park, a World Heritage Site since 1985, and one of the major tourist attractions in Jordan, is also a fragile site in light of its specific geomorphology, facing a wide range of natural and geological hazards such as floods, landslides and earthquakes, which were registered as increasingly impacting the site in recent years and represent a major threat to the site and the visitors.

Since 2012, the UNESCO Office in Amman has been supporting the national and local authorities in assessing, managing and mitigating natural hazards at the site through the implementation of the "Siq Stability" project.

Against this background, the project “Youth for Heritage Conservation and Risk Prevention in Petra”, funded by the Government of Italy, aims to address natural hazard risks prevention and mitigation by continuing the implementation of priority landslide risk mitigation interventions in line with the studies carried out over the previous years.

Within the framework of the project, the contractor, in coordination with UNESCO Amman Office and the Petra Development and Tourism Region Authority (PDTRA), will provide specialized expertise to deliver a training course in the field of safety and security at the worksite, specifically related to the nature of works foreseen in the project (rock slope stabilization and consolidation works).

2. Purpose of the Assignment

The contractor shall provide specialized expertise to deliver a training of 10 working days in the field of safety and security at the worksite. The training will be divided in two parts; one will take place during the last two weeks of April 2019, before the implementation of the slope consolidation works planned in the framework of the project, while the second part will take place during the second week of June 2019, right before the start of the works. The training should be tailored to a heterogeneous audience of trainees who might have different backgrounds and limited or no specific experience in the field of safety and security.

The training, to be implemented both in the field and through class based sessions, shall provide the trainees with the general principles of safety and security at the worksite, information on risk management, works planning and organization and the correct practices to adopt. The training shall be also related, where possible, to the specific activities
foreseen as part of this project, with a focus on the measures, the equipment (supported by sample equipment elements to be shown) and the behaviours to adopt in this specific project case, in terms of safety and security. The training program should include at least the following components:

- **Legislative context**
  The main regulations, at international and national level, in the field of safety and security at the worksite (below a tentative and non-exhaustive list):
  - International level
    - ISO 45001:2018
  - National level
    - Labour Code, No. 8 of 1996
    - Regulation No. 43 of 1998
    - Instructions on “Industrial accidents and occupational diseases”, issued by the Social Security Authority under s. 12 of the Social Security Act, 1987 (No. 30)
    - Ministerial Order of 2011, concerning occupations that are dangerous of tiring or harmful to the health of youth

- **Worksite organization**
  Organization and planning of the worksite in terms of operations, arrangements, people and materials (this shall include security planning, inspection and validation of materials and equipment through technical documentation, verification of personnel documentation).

- **Safety and Security equipment**
  The necessary personal equipment to be used at the worksite to carry out specific activities (personal protection devices, safety signs, etc.)

- **Managing Risks at the worksite**
  Awareness of and mitigation measures to manage the risks at the worksite in relation to the site characteristics and the nature of the works that need to be carried out (i.e. risks of falling, falling objects from above, risks on scaffolding, etc.)

- **Physical Risks**
  The main risks on which the personnel inside the worksite can incur in relation to specific environmental conditions and/or the
nature of the works foreseen (risks related to specific activities, climate conditions, machinery, diseases, first aid, etc.)

3. Duties/Tasks and Expected Output:

The contractor will undertake the following specific tasks, in close coordination with UNESCO Amman Office:

a) Submit a training program including schedule, topics, lessons location (field or classroom), proposed list of supporting equipment and every other necessary detail according to UNESCO Amman Office needs.

b) Assess the availability and the conditions of the equipment owned by the PDTRA, in close coordination with the Authority and UNESCO Amman Office.

c) Conduct the training course over two separate sessions, in April and June 2019 and be available to carry out field sessions in Petra and in other localities in Jordan during the contract period as necessary.

d) Submit a final report that describes all the activities carried out, the outcomes of the training provided (with the results of a brief test submitted to the trainees to assess their overall comprehension) and the possible follow up through future activities.

4. Timetable and Deliverables

4.1 Contract duration

a) The duration of this contract is of 4 Months starting from March 28, 2019 until July 25, 2019.

4.2 Contract deliverables

a) Detailed training program that shall include at least the following: schedule of the activities, topics covered, lessons typology (field or classroom), equipment to be provided by the Contractor as sample items to support the training (e.g. helmets, safety shoes, gloves, glasses, masks, ropes, etc.) and/or any other needed items according to UNESCO Amman Office requirements. Deadline for submission: 2 April, 2019

b) Proposal for a written test, to be submitted to the trainees to assess their overall comprehension, and the evaluation criteria utilized. Deadline for submission: 8 April, 2019

c) Conduct the training course over two separate sessions, in April and June 2019.

d) Final report with detailed description of all the activities carried out, the training outcomes (including the results of a brief test submitted to the trainees to assess their overall comprehension),
the challenges encountered and suggestions for future activities. 
Deadline for submission: 10 July, 2019

5. Qualifications

The Contractor shall have the following minimum qualifications to be considered for this consultancy:

Professional experience
- Minimum of 10-year experience in relevant subject areas covered in the Terms of Reference and more specifically concerning: safety and security on the worksite and in construction management, preferably conducted in a similar context (World Heritage Site, cultural heritage, archaeological park)
- Knowledge and application of the best international public sector models and rules (C167, Safety and Health in Construction Convention, 1988 n. 167, ILO; ISO 45001:2018; etc.)
- Good knowledge of the existing national laws and regulations (Labour Code, No. 8 of 1996; Regulation No. 43 of 1998; Ministerial decisions in the field of safety and health training; instructions on occupational diseases; etc.)
- Practical experience in developing and delivering training programs in the field of safety and security
- Proven record of similar assignments and demonstration of experience in similar projects through concrete examples
- Experience working in a multicultural environment, preferably in the Middle East and Gulf Countries
- Excellent knowledge, including also writing and reporting skills, in English
- Knowledge of Arabic language would be an asset
Educational qualifications
- Master’s Degree or higher in Engineering, Architecture and/or any other field related to safety and security on the worksite

Additional experience and qualifications
- Familiarity with the UN common system, knowledge of UN financial rules and regulations

6. Supervisory arrangements

UNESCO Office in Amman will:
- Supervise the overall process and all the activities carried out within the framework of this Contract.
- Provide suggestions on the approaches for the training activities and the arrangements.
- Regularly monitor the effective and timely implementation of the contract tasks.
- Review and approve the training program and the test proposal.
- Review all final deliverables for each task making suggestions and requesting revisions where necessary

7. Facilities to be provided by UNESCO (if any)

UNESCO, in coordination with the Petra Development and Tourism Region Authority will ensure that a training facility will be available in Petra, where the training will be taking place.

8. Facilities to be provided by the Consultant

The Consultant will:
- Provide all the necessary equipment to carry out the training activities (i.e. helmet, gloves, ropes, etc.) to supplement those owned by the PDTRA, after having assessed their conditions.
Contract for Individual Consultant
CONTRACT FOR INDIVIDUAL CONSULTANTS

THE UNITED NATIONS EDUCATIONAL, and
SCIENTIFIC AND CULTURAL
ORGANIZATION

(hereinafter called ‘UNESCO’) (hereinafter called ‘The Individual Specialist’)

7, place de Fontenoy, 75352 Paris 07 SP France

Vendor Number:

Hereby agree as follows:

TERMS OF REFERENCE

1. Under the supervision of the Individual Specialist shall:

DURATION OF CONTRACT

2. If the contract is not signed by the Individual Specialist and returned to UNESCO by [dd/mm/yyyy] at the latest, it will be considered null and void. This date is subject to modification upon agreement of both parties.

3. This contract shall come into effect on [dd/mm/yyyy], and shall expire on satisfactory completion and delivery of the services described above, but no later than [dd/mm/yyyy], unless terminated earlier under the terms of this contract.

4. If, by the expiry date of the contract as defined in Article 3 above, the Individual Specialist has performed no part of the work assignment, and no advances have been paid by UNESCO, the contract shall be considered null and void.

5. After the expiration of the contract, the Individual Specialist cannot claim payment for any work not delivered on time, as stipulated in article 6.3 below.

CONDITIONS OF PAYMENTS

6. Payments and Currency

6.1. UNESCO shall make payments to the Individual Specialist on a lump sum basis.

6.2. The contract shall be drawn up and all payments made in United States Dollars, Euros or currencies in which UNESCO holds a bank account. Only one currency can be used in any one contract. Where necessary, the United Nations’ operational rate of exchange on the date a contract is signed should be used to convert amounts into another currency, but no adjustments will be made for exchange rate variations during the contract period, either to the overall amount or a staggered payment.
6.3. UNESCO shall make the following payments to the Individual Specialist for the services to be provided under the terms of this contract:

<table>
<thead>
<tr>
<th>Payment</th>
<th>Upon submission and approval by UNESCO of the following:</th>
<th>Reference Article 1</th>
<th>Latest date for submission</th>
<th>Amount</th>
<th>Currency</th>
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6.4. The final payment, or each payment in the case of staggered payments, shall be made only after receipt and approval as satisfactory by UNESCO of any deliverable that the Individual Specialist is required to submit for payment under the terms of this contract.

6.5. All payments (see article 6.3 below) shall be effected by bank transfer. UNESCO shall be responsible for its own banking fees but any possible intermediary banking fees, as well as the beneficiary’s own banking fees, shall be the responsibility of the Individual Specialist.

6.6. No payments shall be made to a third party.

7. Advance Payments

Except for expenses necessarily incurred by an Individual Specialist in order to prepare for an assignment (e.g. travel or equipment), no advance payment shall be made.

8. Travel

If deemed necessary by UNESCO, the Individual Specialist who is required to travel in order to perform the work described in article 1, shall be paid a lump sum of [ ] (state currency, which must be the same as the currency in article 6.3) to cover all travel related expenses, including daily subsistence allowance, tickets for the authorized travel and other related expenses (e.g. visas, vaccinations and terminal expenses), in accordance with UNESCO’s usual travel provisions.

9. Reimbursement

9.1. If any of the work corresponding to the instalments in article 6.3 is not completed to UNESCO’s full satisfaction, and/or prior to the expiration of the contract, UNESCO shall have the right to the reimbursement of full or partial payments made, including any advanced payment, to the extent that the services already rendered are either unusable or inadequate in relation to the expenses incurred by UNESCO.

9.2. Any reimbursement shall be returned in the same currency as the payment was made.

10. Banking Instructions

10.1. The Individual Specialist should confirm below mentioned banking instructions for any payments arising from the present contract:
Name of the Bank:
Address of Bank:
Name of the Account Holder:
Number of Account:
IBAN Number:
SWIFT Address:

10.2. Only one banking instruction is allowed in any one contract.

**UNESCO TERMS AND CONDITIONS**

11. This contract is subject to General Terms and Conditions as attached. Each page of these Terms and Conditions should be initialled by the Individual Specialist and UNESCO.

12. The Individual Specialist and UNESCO also agree to be bound by the provisions contained in the following documents, which form the only legally valid contractual arrangement between the parties and which shall take precedence in case of conflict in the following order: (i) the present contract and (ii) the General Terms and Conditions attached hereto.

Signed on behalf of the Director-General of UNESCO:

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<tr>
<th>Name:</th>
<th>Date:</th>
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<table>
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<tr>
<th>Title:</th>
<th>Signature:</th>
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</table>

**Individual Specialist:**

“I acknowledge that I have read and accept the terms and conditions on the following page”.

<table>
<thead>
<tr>
<th>Name:</th>
<th>Date:</th>
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<th>Title:</th>
<th>Signature:</th>
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GENERAL TERMS AND CONDITIONS

Article I. Legal Status

1. Individual Specialist is neither a staff member under the UNESCO Staff Regulations and Staff Rules nor an official under the Convention on the Privileges and Immunities of the Specialized Agencies (21 November 1947). He/she may, however, be given the status of 'expert on mission' within the meaning of Annex IV of the said Convention.

2. Any immunities and privileges that may be accorded the Individual Specialist by a government are conferred in the interests of UNESCO. Any such immunities and privileges shall not be invoked to excuse the Individual Specialist from discharging any private obligations or from observing laws and police regulations. Should a question of immunities and privileges arise, the Individual Specialist shall immediately report to the Director-General of UNESCO, who shall decide whether they shall be waived.

Article II. Obligations

1. The Individual Specialist is subject to the authority of the Director-General of UNESCO and is responsible to the Director-General in the performance of his/her work.

2. The Individual Specialist’s responsibilities are exclusively international. By accepting a contract with UNESCO, the Individual Specialist undertakes to carry out the work given to him/her and to regulate his/her conduct with the interest of the Organization only in view.

3. In providing his/her service, the Individual Specialist shall neither seek, nor accept, any instructions from any government or any authority external to the Organization, except as may be authorized by the Director-General of UNESCO.

4. The Individual Specialist shall conduct him/herself at all times in a manner befitting his international status. He/she shall not engage in any activity that is incompatible with the performance of his/her work for UNESCO. He/she shall avoid any action and in particular any kind of public pronouncement that may adversely reflect on his/her status, or on the integrity, independence and impartiality that is required by that status. While he/she is not expected to give up his/her national sentiments, or his/her political and religious convictions, he/she shall at all times bear in mind the reserve and tact incumbent upon him/her by reason of his/her international status.

5. The Individual Specialist shall exercise the utmost discretion in regard to all matters of official business. He/she shall not communicate to any person unpublished information known to him/her by reason of his/her assignment, except by authorization of the Director-General of UNESCO. These obligations remain binding even after the expiry of the contract.

6. If the Individual Specialist, by malice, culpable negligence or failure to observe any applicable rule, involves UNESCO in unnecessary loss, expense or liability, he/she shall be held responsible and may be required to pay compensation.

Article III. Declaration of Compatibility of the Professional Status

1. Family Ties

(i) The Individual Specialist certifies that he/she is not the father, mother, son, daughter, brother or sister of a staff member of UNESCO, of an employee of the ancillary services
or of someone who, at the same time, holds a supernumerary contract or contract for individual consultants or other specialists or has a fellowship with UNESCO.

(ii) The Individual Specialist also certifies that, if he/she has a spouse working as a UNESCO staff member, or as an ancillary services employee, the spouse does not work in the same Sector, Bureau or field office in which the Individual Specialist will be working.

2. **Multiple Contracts**

(i) The Individual Specialist certifies and declares that he/she only holds one contract of any type with UNESCO at any one time. Any failure to respect this condition renders this present contract liable for immediate termination, without notice or indemnity.

(ii) The Individual Specialist certifies and declares that he/she is not a beneficiary of any type of UNESCO Fellowship. Any failure to respect this condition renders this present contract liable for immediate termination, without notice or indemnity.

3. The Individual Specialist certifies and declares that he/she does not have incompatible professional status under UNESCO’s provisions governing the contracts for individual consultants and other specialists.

**Article IV. Officials not to Benefit**

The Individual Specialist confirms that no official of UNESCO has received from or will be offered by the Individual Specialist any direct or indirect benefit arising from this contract or the award thereof. The Individual Specialist accepts that breach of this provision is a breach of an essential term of this contract which renders this present contract liable for immediate termination, without notice or indemnity.

**Article V. Taxes**

UNESCO will not reimburse any taxes, duties or other contributions for which the Individual Specialist may be liable in respect of any payments made to him/her under the terms of this contract.

**Article VI. Use of Name, Emblem or Official Seal of UNESCO**

The Individual Specialist shall not in any manner whatsoever advertise, display, appropriate for personal use the name, emblem or official seal of UNESCO, or any abbreviation of the name of UNESCO in connection with his/her business or otherwise.

* In order to avoid the perception of lack of independence or conflict of interest, the individual selected for an assignment must not be:
  * a fellow or a holder of another contract of any type with UNESCO at the same time as the proposed contract;
  * a member of the Executive Board or an Alternate during his/her term of office until at least 18 months have elapsed from the date of cessation of their representational functions;
  * a member of any UNESCO Committee, International Programme Governing Body or National Commission;
  * the External Auditor and members of his or her staff who have participated in the audit of the Organization during the two financial periods (e.g. two biennia) following completion of their mandate;
  * a member of the Oversight Advisory Committee for 5 years following the expiry of his/her term;
  * other officials with oversight responsibilities, including members of the Advisory Committee on Administrative and Budgetary Questions (ACABQ), International Civil Service Commission (ICSC), Joint Inspection Unit (JIU) or other similar bodies in the United Nations system, who have had oversight responsibilities over UNESCO, during their service and within 4 years of ceasing that service.
Article VII. Confidential Nature of Documents and Information

Drawings, photographs, plans, reports, recommendations, estimates, documents and all other data compiled by or received by the Individual Specialist under this contract shall be the property of UNESCO, shall be treated as confidential and shall be delivered only to UNESCO authorized officials on completion of work under this contract.

Article VIII. Title Rights

UNESCO shall be entitled to all property rights, including but not limited to patents, copyrights and trademarks with regard to all material which bears a direct relation, to, or is made in consequence of, the services provided to the Organization by the Individual Specialist.

Article IX. Medical Clearance

The Individual Specialist certifies and declares that he/she: a) is in good health b) has no condition that would prevent him/her from carrying out the work as foreseen by this contract and c) has obtained any necessary inoculations or other medical treatment which may be necessary for him/her to travel to and work in the area(s) foreseen under this contract. The Individual Specialist will be held fully responsible for this certification and declaration. If requested, Individual Specialists may be required to undergo a full medical examination, and be medically cleared by UNESCO’s Chief Medical Officer, prior to taking up their duties.

Article X. Insurance

1. (i) The Individual Specialist shall be insured by UNESCO for work-related accidents, injuries, illnesses or death while performing duties on behalf of the Organization.

(ii) The insurance provides for compensation in the case of: (a) death or permanent total disablement; (b) permanent partial disablement; (c) temporary total disablement. Coverage for temporary, partial disablement is not included. The capital sum insured shall be up to a maximum of 85 000 USD. The scale of compensation payable will be in accordance with the terms and conditions of UNESCO’s policy with its insurer. Medical expenses attributable to work-incurred accidents or illnesses are paid up to a maximum annual amount of 10 000 USD.

(iii) If any injury, illness or death for which compensation is payable under the above provisions is caused in circumstances which, in the Director-General's opinion, create a legal liability on the part of a third party to pay damages, the UNESCO Director-General may, as a condition of granting compensation, require the Individual Specialist to whom it is granted to assign to the Organization any rights of action which he/she may have against such a third party. The Individual Specialist shall thereupon furnish to UNESCO any data or evidence which may be available to him/her, and shall render all other assistance which may be required in prosecuting any claim or action against such a third party. He/she shall not settle any such claim or action without the consent of the Organization; UNESCO shall be entitled itself to do so or to require him/her to do so upon such terms as seem reasonable to it.

2. Other than the provisions set out in Article X, paragraph 1(ii), UNESCO does not provide medical insurance to the Individual Specialist.
Article XI. Title to Equipment

Title to any equipment and supplies that may be furnished by UNESCO shall rest with UNESCO and any such equipment shall be returned to UNESCO at the conclusion of this contract or when no longer needed by the Individual Specialist. Such equipment, when returned to UNESCO, shall be in the same condition as when delivered to the Individual Specialist, subject to normal wear and tear. The Individual Specialist shall be liable to compensate UNESCO for equipment determined to be damaged or degraded beyond normal wear and tear.

Article XII. Termination

1. UNESCO or the Individual Specialist may cancel the contract before it has come into effect by giving written notice to the other party. For contracts of less than 2 months the period of notice is 5 days, for longer contracts – 14 days. No compensation shall be payable in such cases. Should UNESCO cancel the contract with shorter notice, the Individual Specialist is entitled to 5% of payment for each month of service provided by the contract, subject to a maximum of 30% of the total amount.

2. Once the contract has come into effect, it may be terminated by either party at any time before the expiry date with 2 weeks written notice for contracts of 6 months or less, or 1 month's written notice if the contract is for more than 6 months. If UNESCO terminates the contract, the Individual Specialist is entitled to an indemnity of 5% of payment for each remaining aggregated period of service equivalent to one month, subject to a maximum payment of 30% of the total amount. In the event of termination by the Individual Specialist, or of the inability of the Individual Specialist to carry out fully its terms, UNESCO may deduct from any payments due an amount equivalent to any losses caused to the Organization, taking into consideration the extent to which the assignment has been completed.

3. Notwithstanding the provisions of Article XII, paragraphs 1 and 2, in the event of breach of contract, including false declarations, on the part of the Individual Specialist, the contract may be immediately terminated by UNESCO without notice or indemnity.

Article XIII. Arbitration

1. Any controversy or dispute concerning the execution or interpretation of this contract shall be settled by negotiation between the parties. If it is not amicably settled, it shall be submitted, at the initiative of either party, either to the Chairperson of the UNESCO Appeals Board or be the subject of an arbitration under the United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules in force. The arbitrator shall rule upon the costs of arbitration, which shall be either apportioned between the two parties or paid by one of them only. The arbitral award shall be final and irrevocable.

2. The party initiating the procedure shall decide which of the two procedures shall apply.

Article XIV. Amendments

This contract may be amended specifying all modifications and signed by both UNESCO and the Individual Specialist prior to the expiry date of the present contract. If the Individual Specialist wishes to propose amendments, these proposals should be communicated to UNESCO which, if deemed necessary, will prepare the amendment to present contract for mutual agreement and signature.

Initials:
Any relevant background information/documents

Following, a brief technical documentation, regarding the slope consolidation works that will be implemented within the framework of the project in 2019, has been provided in order to give the background for the related training activities.
### 'Siq' Sector

**5 Right Side**

#### General information

<table>
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<th>Volume</th>
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<td>Data available</td>
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<tr>
<td><strong>Degree of danger</strong></td>
<td>High</td>
</tr>
</tbody>
</table>

#### Potential risk

- **Direct consequences:** people
- **Indirect consequences:** economic, with interruption of the site access by tourists for several weeks

![Location of work area](image1)

![Diagram with labels](image2)

- Bars or tie-rod anchors
- Pigmented steel wire
- Reinforced anchored wall
- Rock debris fall protection net
- Underground passage for protection of visitors
Siq Sector 9 Right Side for several days a

**General information**

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<td>Monitoring: no</td>
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<tr>
<td>Degree of danger</td>
<td>Medium</td>
</tr>
<tr>
<td>Potential risk</td>
<td>Direct consequences: people</td>
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**Location of work area**

**Work area (rock dislodgement/scaling)**
Siq Sector 11 Right Side -b

**General information**

<table>
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<tr>
<th>Volume</th>
<th>&gt;25+30m³ + &gt;20+25m³</th>
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<tbody>
<tr>
<td>Data available</td>
<td>Monitoring: yes</td>
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<tr>
<td>Degree of danger</td>
<td>High</td>
</tr>
<tr>
<td>Potential risk</td>
<td>Direct consequences: people</td>
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![Location of work area](image1)

Rock block to demolish with high-expansion cement/mortar (*view from low/N*)

Consolidation area with double twisted net and wire panels, reinforced with steel rope and anchored with *Dywidag* bars (*image from up/SE*)
### General information

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<td>Degree of danger</td>
<td>Very high</td>
</tr>
<tr>
<td>Potential risk</td>
<td>Direct consequences: people</td>
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![Map of the location](image)

- **Location of work area**

![Reinforcement diagram](image)

- Area to reinforce with double twisted nets and rope panels, reinforced with steel rope and anchored with **Dywidag** bars (image from low/SE)
- Anchors with **Dywidag** bars
- Reinforced concrete wall
Siq Sector | 13 Right Side
---|---
**General information**
| Volume | 1+8 m³ |
| Data available | Monitoring: yes | Geomechanical data: yes |
| Degree of danger | Medium |
| Potential risk | Direct consequences: people | Indirect consequences: economic, with interruption of the site access by tourists for several days. |

Location of work area

Support wall

Area to protect with barriers