

LRPS-2026-9206112

17 Sep 2026

**UNITED NATIONS CHILDREN'S FUND (UNICEF)****Wishes to invite you to submit a proposal for****Construction works for adaptation and improvement of accessibility infrastructure in the "Boris Dinga" High School, located in Criuleni city, Republic of Moldova****Bid submission deadline is 11 Oct 2026 and 23:59 Hrs.**

Proposals should be sent by:

**Email to:** [chisinautenders@unicef.org](mailto:chisinautenders@unicef.org)

**THIS REQUEST FOR PROPOSAL FOR SERVICES HAS BEEN:**

**Prepared By:**

**Date:**

(To be contacted for additional information, NOT FOR SENDING PROPOSALS)

Email : [rbradescu@unicef.org](mailto:rbradescu@unicef.org)

**Approved By:**

**Date:**

## REQUEST FOR PROPOSAL FOR SERVICES FORM

This FORM must be completed, signed and returned to UNICEF.

Proposal must be made in accordance with the instructions contained in this Request for Proposal for Services (RFPS).

### TERMS AND CONDITIONS OF CONTRACT

Any Contract resulting from this RFPS shall contain UNICEF General Terms and Conditions for Institutional and Corporate Contracts and any other Specific Terms and Conditions detailed in this RFPS.

### INFORMATION

Any request for information regarding this RFPS must be forwarded by email to the person who prepared this document, with specific reference to the RFPS number.

The Undersigned, having read the Terms and Conditions of RFPS No. **LRPS-2026-9206112** set out in the attached document, hereby offers to execute the services specified in this document.

Currency of Proposal: \_\_\_\_\_

Validity of Proposal: \_\_\_\_\_

Please indicate which of the following Early Payment Discounts Terms are offered by you:

10 Days 3.0%\_\_\_\_\_15 Days 2.5%\_\_\_\_\_20 Days 2.0%\_\_\_\_\_30 Days Net\_\_\_\_\_Other\_\_\_\_\_

### Declaration

The undersigned, being a duly authorized representative of the Company, represents and declares that:

| 1. | The Company and its Management <sup>1</sup> have not been found guilty pursuant to a final judgment or a final administrative decision of any of the following: | YES                      | NO                       |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
|    | a. fraud;                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |
|    | b. corruption;                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |
|    | c. conduct related to a criminal organization;                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> |
|    | d. money laundering or terrorist financing;                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> |
|    | e. terrorist offences or offences linked to terrorist activities;                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |
|    | f. sexual exploitation and abuse;                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> |
|    | g. child labour, forced labour, human trafficking; or                                                                                                           | <input type="checkbox"/> | <input type="checkbox"/> |
|    | h. irregularity (non-compliance with any legal or regulatory requirement applicable to the Company or its Management).                                          | <input type="checkbox"/> | <input type="checkbox"/> |

<sup>1</sup> "Management" means any person having powers of representation, decision-making or control over the Organization. This may include, for example, executive management and all other persons holding downstream managerial authority, anyone on the board of directors, and controlling shareholders.

|    |                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| 2. | The Company and its Management have not been found guilty pursuant to a final judgment or a final administrative decision of grave professional misconduct .                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. | The Company and its Management are not: bankrupt, subject to insolvency or winding-up procedures, subject to the administration of assets by a liquidator or a court, in an arrangement with creditors, subject to a legal suspension of business activities, or in any analogous situation arising from a similar procedure provided for under applicable national law.                             | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. | The Company and its Management have not been the subject of a final judgment or a final administrative decision finding them in breach of their obligations relating to the payment of taxes or social security contributions.                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. | The Company and its Management have not been the subject of a final judgment or a final administrative decision which found they created an entity in a different jurisdiction with the intent to circumvent fiscal, social or any other legal obligations in the jurisdiction of its registered office, central administration, or principal place of business ( <i>creating a shell company</i> ). | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. | The Company and its Management have not been the subject of a final judgment or a final administrative decision which found the Company was created with the intent referred to in point (5)( <i>being a shell company</i> ).                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> |

The UNICEF reserves the right to disqualify the Company suspend or terminate any contract or other arrangement between the UNICEF and the Company, with immediate effect and without liability, in the event of any misrepresentation made by the Company in this Declaration.

It is the responsibility of the Company to immediately inform the UNICEF of any changes in the situations declared.

This Declaration is in addition to, and does not replace or cancel, or operate as a waiver of, any terms of contractual arrangements between the UNICEF and the Company.

Signature:

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Date:

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Name & Title:

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Name of the Company:

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UNGM #:

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Postal Address:

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E-mail :

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## PART I – PURPOSE OF THIS REQUEST FOR PROPOSALS FOR CONSTRUCTION WORKS

### 1. BACKGROUND

- 1.1 UNICEF promotes the rights and wellbeing of every child, in everything we do. Together with our partners, we work in 190 countries and territories to translate that commitment into practical action, focusing special effort on reaching the most vulnerable and excluded children, to the benefit of all children, everywhere.

### 2. SOLICITATION

- 2.1 The purpose of this Request for Proposals for Construction Works “RFPS”) is to invite proposals for **Construction works for adaptation and improvement of accessibility as fully detailed in the Terms of Reference attached at Annex B**
- 2.2 This RFPS document is comprised of the following:
- This document
  - [The UNICEF Standard Contract for Construction Works \(Form A\)](#) and [Standard Contract for Construction Works \(Form B\)](#) which are attached as Annex A to this document
  - The full Terms of Reference attached at Annex B
  - As per ToR
- 2.3 This RFPS is an invitation to treat and shall not be construed as an offer capable of being accepted or as creating any contractual, other legal or restitutionary rights. No binding contract, including a process contract or other understanding or arrangement, will exist between the Proposer and UNICEF and nothing in or in connection with this RFPS shall give rise to any liability on the part of UNICEF unless and until a contract is signed by UNICEF and the successful Proposer.

## PART II – PROPOSAL SUBMISSION PROCESS

### 1. PROPOSAL SUBMISSION SCHEDULE

- 1.1 Acknowledgement of receipt of RFPS. Proposers are requested to inform UNICEF as soon as possible by Email to Radu Bradescu at [rbradescu@unicef.org](mailto:rbradescu@unicef.org) that they have received this RFPS.

**IMPORTANT: PROPOSALS ARE NOT TO BE SENT TO THE INDIVIDUAL STATED ABOVE – ANY PROPOSALS SENT TO THE ABOVE NAMED INDIVIDUAL WILL BE DISQUALIFIED.**

- 1.2 Questions from Proposers. Proposers are required to submit any questions in respect of this RFPS by Email to Radu Bradescu at [rbradescu@unicef.org](mailto:rbradescu@unicef.org). The deadline for receipt of any questions is 08 Oct 2026 and 17:00 Hrs.

**IMPORTANT: PROPOSALS ARE NOT TO BE SENT TO THE INDIVIDUAL STATED ABOVE – ANY PROPOSALS SENT TO THE ABOVE NAMED INDIVIDUAL WILL BE DISQUALIFIED.**

Proposers are required to keep all questions as clear and concise as possible.

Proposers are also expected to immediately notify UNICEF in writing of any ambiguities, errors, omissions, discrepancies, inconsistencies or other faults in any part of the RFPS, providing full details. Proposers will not benefit from such ambiguities, errors, omissions, discrepancies, inconsistencies or other faults.

UNICEF will compile the questions received. UNICEF may, at its discretion, at once copy any anonymized question and its reply to all other invited Proposers and/or post these on the UNICEF website and/or respond to the question at a bid conference. After any such bid conference, a Questions and Answers document may be prepared and will be made available in public.

- 1.3 Amendments to RFPS Documents. At any time prior to the Submission Deadline, UNICEF may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Proposer, modify the RFPS documents by amendment. If the RFPS was available publicly online, amendments will also be posted publicly online. Further, all prospective Proposers who have received the RFPS documents directly from UNICEF will be notified in writing of all amendments to the RFPS

documents. In order to afford prospective Proposers reasonable time in which to take the amendment into account in preparing their Proposals, UNICEF may, at its sole discretion, extend the Submission Deadline.

## 1.4 **Site Visit** A site visit for this project is **MANDATORY** for the Proposer

Site visit details:

30.09.2026, contact I. Baraghin at [ibaraghin@unicef.org](mailto:ibaraghin@unicef.org), 060100493

## 1.5 **Bid conference.** A bid conference will be held on 22 Sep 2026 and 12:00 Hrs at 131, '31 August 1989' str, UN House, UNICEF Conference Room. Registration link: <https://forms.cloud.microsoft/e/maTugB8Sa2>

## 1.6 **Submission Deadline.** The deadline for submission of proposals is as follows: **11 Oct 2026** and 23:59 Hrs.

Any proposals received by UNICEF after the Submission Deadline will be rejected.

## 1.7 **Proposal Opening.** Due to the nature of this RFPS, there will be no public opening of proposals

## 1.8 **Proposal Submission Instruction:**

1.8.1: The Request for Proposal for Construction Works Form must be signed, and submitted together with the Proposal. The Request for Proposal for Construction Works Form should be signed by the duly authorized representative of the submitting company.

### 1.8.2: EMAILED PROPOSALS (Electronic submission of Proposals)

1.8.2: All e-mailed Proposals must be submitted to [chisinautenders@unicef.org](mailto:chisinautenders@unicef.org), the ONLY ACCEPTABLE

E-MAIL ADDRESS for receipt of Proposals. No other recipient should be "Cc" or "Bcc" in the e-mail submission.

1.8.3: Proposals can be sent in batches not to exceed UNICEF's e-mail size quota of twenty-five(25) megabytes per e-mail.

1.8.4: All e-mail communication in relation to the Proposal must clearly indicate the reference RFPS number followed by the company name ( e.g. INVITEE LIST for LRPS-2026-9206112) in the "Subject" line of the e-mail.

1.8.5: All Proposals submitted by e-mail must be submitted as PDF (Portable Document Format) files. Email links (e.g. to documents to be downloaded from cloud based folders) are not acceptable unless otherwise specifically requested. Proposals submitted as a link or through a link will be invalidated.

1.8.6: Upon receipt of the Proposal submission, an "acknowledge receipt" will be generated automatically and sent to the sender's e-mail address. The notification serves as the only proof of receipt from UNICEF.

## 2. **LANGUAGE**

2.1 The Proposal prepared by the Proposer and all correspondence and documents relating to the Proposal exchanged by the Proposer and UNICEF, will be written in English Supporting documents and printed literature furnished by the Proposer may be in another language provided that they are accompanied by an appropriate translation in English. When interpreting the Proposal, the translated version of these supporting documents and printed literature will prevail over the original version of these documents. The sole responsibility for translation, including the accuracy of the translation, will rest with the Proposer.

## 3. **VALIDITY OF PROPOSALS; MODIFICATION AND CLARIFICATIONS; WITHDRAWAL**

3.1 **Validity Period.** Proposers must indicate the validity period of their Proposal. Proposals should be valid for a period of not less than one hundred and twenty (120) days after the Submission Deadline.

UNICEF reserves the right not to consider proposals that are valid for a shorter period of time. UNICEF may request the Proposer to extend the validity period. The Proposal of Proposers who decline to extend the validity of their Proposal shall become disqualified as no longer valid.

- 3.2 Other Changes. All changes to a Proposal must be received by UNICEF prior to the Submission Deadline. The Proposer must clearly indicate that the revised Proposal is a modification and supersedes the earlier version of the Proposal, or state the changes from the original Proposal.
- 3.3 Withdrawal of Proposal. A Proposal may be withdrawn by the Proposer on e-mailed or written request received by UNICEF from the Proposer prior to Submission Deadline. Negligence on the part of the Proposer confers no right for the withdrawal of the Proposal after it has been opened.
- 3.4 Clarifications Requested by UNICEF. During the evaluation of Proposals, UNICEF may, in its sole discretion, seek clarifications from any Proposer in order for UNICEF to fully understand the Proposer's Proposal and assist in the examination, evaluation and comparison of Proposals. UNICEF may seek such clarifications through written communications or may request an interview with any Proposer. During this clarification process, no change in the price or substance of the Proposal will be sought, offered or permitted, except as required in order to allow for correction of arithmetical errors discovered by UNICEF.
- 3.5 References. UNICEF reserves the right to contact any or all references supplied by the Proposer(s) and to seek references from other sources as UNICEF deems appropriate.

#### **4. ELIGIBILITY; PROPOSER INFORMATION**

- 4.1 Proposer. The term "Proposer" refers to those companies that submit a proposal pursuant to this RFPS and "Proposal" refers to all the documents provided by the Proposer in its response to this RFPS. A Proposer will only be eligible for consideration if it complies with the representations set out in Part V of this RFPS, including the representations on ethical standards, including conflicts of interest.
- 4.2 Joint Venture, Consortium or Association.
  - (a) If the Proposer is a group of legal entities that will form or have formed a joint venture, consortium or association at the time of the submission of the proposal, each such legal entity will confirm in their joint Proposal that:
    - (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the joint venture jointly and severally, and this will be evidenced by a Joint Venture Agreement among the legal entities, which will be submitted along with the Proposal; and
    - (ii) if they are awarded the contract, the designated lead entity will enter into the contract with UNICEF, who will be acting for and on behalf of all the member entities comprising the joint venture.
  - (b) After the Proposal has been submitted to UNICEF, the lead entity identified to represent the joint venture will not be altered without the prior written consent of UNICEF.
  - (c) If a joint venture's Proposal is the Proposal selected for award, UNICEF will award the contract to the joint venture, in the name of its designated lead entity. The lead entity will sign the contract for and on behalf of all other member entities and will be solely responsible for the coordination and implementation of the works. All payments for the accepted works will only be made to the lead entity only.
- 4.3 Proposals from Government Organizations. The eligibility of Proposers that are wholly or partly owned by the Government will be subject to UNICEF's further evaluation and review of various factors such as being registered as an independent entity, the extent of Government ownership/share, receipt of subsidies, mandate, access to information in relation to these RFPS documents, and others that may lead to undue advantage against other Proposers, and the eventual rejection of the Proposal.
- 4.4 Proposals from organizations where the sole proprietor is a former or retired UNICEF/UN staff member. Any organization, whose sole proprietor is a former or retired staff member of UNICEF (or any other United Nations organization), which submits a Proposal must disclose his/her previous United Nations employment at the time of submission. Any such Proposal will be treated as though the Proposal came from

an individual for the purposes of UNICEF's standard conditions on contracting former and retired members of staff.

## 5. PREPARATION OF OFFER

5.1 Proposers are responsible to inform themselves in preparing their Proposal. In this regard, the Proposers will ensure that they:

- Examine all terms, requirements and formal submission instructions (e.g. regarding form and timing of submission, marking of envelopes, no price information in technical proposal etc.) included in the RFPS documents (including the Instruction to Proposers section);
- Review the RFPS to ensure that they have a complete copy of all documents;
- Review the UNICEF Standard Contract for Construction Works (Form A) and Standard Contract for Construction Works (Form B) publicly available on the UNICEF Supply website: <https://www.unicef.org/supply/resources/procurement-policies> ;
- Review the UNICEF policies publicly available on the UNICEF Supply website: <https://www.unicef.org/supply/resources/procurement-policies>.  
In particular, Proposers should familiarize themselves with the obligations imposed on suppliers and their personnel and sub-contractors under the UNICEF Policy Prohibiting and Combatting Fraud and Corruption and the UNICEF Policy on Conduct Promoting the Protection and Safeguarding of Children;
- Attend any bid conference if it is mandatory under this RFPS;
- Fully inform and satisfy themselves as to requirements of any relevant authorities and laws that apply, or may in the future apply, to the supply of the works.

Proposers acknowledge that UNICEF, its directors, employees and agents make no representations or warranties (express or implied) as to the accuracy or completeness of this RFPS or any other information provided to the Proposers.

- 5.2 Failure to meet all requirements and instructions in the RFPS documents or to provide all requested information will be at the Proposer's own risk, and may result in rejection of the Proposer's Proposal.
- 5.3 The Proposal must be organized to follow the format of this RFPS. Each Proposer must respond to the stated requests or requirements, and indicate that the Proposer understands and confirms acceptance of UNICEF's stated requirements. The Proposer should identify any substantive assumption made in preparing its offer. The deferral of a response to a question or issue to any contract negotiation stage is not acceptable. Any item not specifically addressed in the Proposal will be deemed as accepted by the Proposer. Incomplete or inadequate responses, lack of response or misrepresentation in responding to any questions will affect the evaluation of the Proposal.
- 5.4 All references to descriptive materials should be included in the appropriate Proposal paragraph, though the material/documents themselves may be provided as annexes to the Proposal. The Proposer must also provide sufficient information in the Proposal to address each area of the evaluation criteria as presented in this document to allow a fair assessment of all of the Proposers and their Proposals. It is for UNICEF to determine, in its sole discretion, whether information provided is sufficient.
- 5.5 The completed and signed Request for Proposal for Construction Works Services Form must be submitted together with the Proposal. The Request for Proposal for Construction Works Form must be signed by a duly authorized representative of the Organization/Company.
- 5.6 Proposals must be clearly marked with the RFPS number.
- 5.7 If answer sheets are provided by UNICEF then these must be completed by the Proposer.
- 5.8 **Technical Proposal:** The Technical Proposal should address the criteria and requirements outlined in this RFPS, paying particular attention to its Terms of Reference and its evaluation criteria. It is important to note that UNICEF actively welcomes innovative proposals and original solutions to the stated service need. **NO PRICE INFORMATION SHOULD BE CONTAINED IN THE TECHNICAL PROPOSAL.**
- 5.9 **Price Proposal:** The Price Proposal should be prepared in accordance with the requirements contained in the Terms of Reference for this RFPS.

- 5.10 Each Proposer acknowledges that its participation in any stage of the solicitation process for this RFPS is at its own risk and cost. The Proposer is responsible for, and UNICEF is not responsible for, the costs of preparing its Proposal or response to this RFPS, attendance at any bid conference, site visit, meetings or oral presentations, regardless of the conduct or outcome of the solicitation process.
- 5.11 The Proposer's Proposal will include all the annexes attached to the Terms of Reference.

## **6. PROPOSAL DOCUMENTS; CONFIDENTIALITY**

- 6.1 This RFPS, together with all Proposal documents provided by the Proposer to UNICEF, will be considered the property of UNICEF and Proposals will not be returned to the Proposers.
- 6.2 Information contained in the Proposal documents, which the Proposer considers to be its confidential information, should be clearly marked "confidential", next to the relevant part of the text, and UNICEF will treat such information accordingly.
- 6.3 All information and documents provided to the Proposers by UNICEF ("RFPS Materials") shall be treated as confidential by the Proposers. If the Proposer declines to respond to this RFPS, or, if the Proposal is rejected or unsuccessful, the Proposer will promptly destroy or delete all such RFPS Materials. The Proposer shall not use the RFPS Materials for any purpose other than the purpose of preparing a Proposal and shall not disclose the RFPS Materials to any third party, except: (a) with the prior written consent of UNICEF; (b) where the third party is assisting the Proposer in preparing the Proposal, provided the Proposer has previously ensured that party's adherence to this duty of confidentiality; (c) if the relevant RFPS Materials are at the time of this RFPS lawfully in the possession of the Proposer through a party other than UNICEF; (d) if required by law, and provided that the Proposer has previously informed UNICEF in writing of its obligation to disclose the RFPS Materials; or (e) if the RFPS Materials are generally and publicly available other than as a result of breach of confidence by the person receiving the RFPS Materials.

## **7. MULTIPLE PROPOSALS AND PROPOSALS FROM RELATED ORGANIZATIONS**

- 7.1 Proposers shall not submit more than one Proposal as part of this RFPS process.
- 7.2 If the Proposer is a group of legal entities that will form or have formed a joint venture, consortium or association at the time of the submission of the Proposal then neither the lead entity nor the member entities of the joint venture may submit another Proposal, either in its own capacity or as a lead entity or a member entity for another joint venture submitting another Proposal.
- 7.3 UNICEF reserves the right to reject separate Proposals submitted by two or more Proposers if the Proposers are related organizations and are found to have any of the following:
- (a) they have at least one controlling partner, director or shareholder in common; or
  - (b) any one of them receive or have received any direct or indirect subsidy from the other(s); or
  - (c) they have a relationship with each other, that gives one or more Proposers access to confidential information about, or influence over, the other Proposal(s); or
  - (d) they are subcontractors to each other's Proposal, or a subcontractor to one Proposal also submits another Proposal under its name as lead Proposer; or
  - (e) an individual proposed to be in the team of one Proposer participates in more than one Proposal received for this solicitation process.

## **PART III –AWARD/ADJUDICATION OF PROPSALS**

### **1. AWARD**

- 1.1 Proposal Evaluation Process. The evaluation is carried out by UNICEF in accordance with UNICEF's regulations, rules and practices and all determinations are made in UNICEF's sole discretion.

After opening the Proposals, UNICEF will carry out the following steps in the following order:

- *First*, each Proposal will be evaluated for compliance with the mandatory requirements of this RFPS. Proposals deemed not to meet all of the mandatory requirements will be considered non-compliant and rejected at this stage without further consideration. Failure to comply with any of the terms and conditions contained in this RFPS, including, but not limited to, failure to provide all required information, may result in a Proposal being disqualified from further consideration.
- *Second*, UNICEF will evaluate the Technical Proposal part for compliance with the technical requirements stated in this RFPS on the basis of the Proposal evaluation approach set out below.
- *Third*, UNICEF will undertake a commercial evaluation of the Price Proposal part of technically compliant Proposals on the basis of the Proposal evaluation approach set out below.

## 1.2 Proposal Evaluation Approach.

The evaluation criteria will be a split between technical and commercial (price proposal) scores (a 70 / 30 split).

Proposals submitted in response to this RFPS should include and will be evaluated against the following:

### a) Technical Evaluation

Technical evaluation criteria described in the Terms of Reference attached at Annex B

Total Maximum 70 Points

Only Proposals which receive a minimum of 49 points will be considered further.

### b) Price Proposal (commercial evaluation)

The total amount of points allocated for the price component is 30. The maximum number of points will be allotted to the lowest price proposal that is opened and compared among those invited firms/institutions which obtain the threshold points in the evaluation of the technical component. All other price proposals will receive points in inverse proportion to the lowest price; e.g.:

Score for price proposal X = (Max. score for price proposal ( 30 Points) \* Price of lowest priced proposal) / Price of proposal X

Total obtainable Technical and Price points: 100

The Proposer(s) achieving the highest combined technical and price score will (subject to any negotiations and the various other rights of UNICEF detailed in this RFPS) be awarded the contract(s).

- 1.3 Multiple Arrangements. UNICEF reserves the right to make multiple arrangements for any service(s) where UNICEF considers it to be in its best interest to do so.
- 1.4 Negotiation. UNICEF reserves the right to negotiate with the Proposer(s) that has/have attained the best rating/ranking, i.e. those providing the overall best value Proposal.
- 1.5 Award Notification. UNICEF will only notify the Proposer(s) that has/have been awarded the contract(s) resulting from this solicitation process; UNICEF may, but is not required to, notify the other Proposers of the outcome of this solicitation process.

## 2. **STANDARD CONTRACT FOR CONSTRUCTION WORKS**

- 2.1 UNICEF's Standard Contract for Construction Works (Form A or Form B) will apply to any contract(s) awarded in connection with this RFPS. By signing the Request for Proposal for Construction Works Form, each Proposer is deemed to have confirmed its acceptance of the UNICEF Standard Contract for Construction Works (Form A and Form B). The Proposer understands that if it proposes any amendments or additional terms to the UNICEF Standard Contract for Construction Works (Form A or Form B), these must be clearly detailed in the Proposal and may negatively affect the evaluation of the Proposal and UNICEF reserves the right to reject the Proposer's Proposal.

### 3. RIGHTS OF UNICEF

#### 3.1 UNICEF reserves the following rights:

- (a) to accept any Proposal, in whole or in part; to reject any or all Proposals; or to cancel this solicitation process in its entirety;
- (b) to verify any information contained in Proposer's response (and the Proposer will provide UNICEF with its reasonable cooperation with such verification);
- (c) to invalidate any Proposal received from a Proposer that, in UNICEF's sole opinion has previously failed to perform satisfactorily or complete contracts on time, or UNICEF believes is not in a position to perform the contract;
- (d) to invalidate any Proposal that, in UNICEF's sole opinion, fails to meet the requirements and instructions stated in this RFPS;
- (e) to suspend negotiations or withdraw an award to a Proposer at any time up until a contract has been signed with such Proposer. UNICEF is not required to provide any justification, but will give notice prior to any such suspension of negotiations or withdrawal of award.

#### 3.2 UNICEF is not liable to any Proposer for any costs, expense or loss incurred or suffered by such Proposer in connection with this RFPS or solicitation process, including, but not limited to, any costs, expense or loss incurred as result of UNICEF exercising any of its rights in paragraph 3.1 above.

## PART IV – REQUIREMENTS

### 1. PRICE AND PAYMENT

- 1.1 Price. The fee for the works and deliverables will be treated as inclusive of all costs, expenses, charges or fees that the Proposer may incur in connection with the performance of the work. The Proposer is invited to offer any unconditional discounts. Further, the Proposer may offer early payment discounts, i. e. payment within a specific period of time faster than UNICEF's standard payment terms of 30 days.
- 1.2 Payment Terms. Invoices may be issued to UNICEF only after the works (or components of the works) have been provided and the deliverables (or installments of the deliverables) have been delivered (a) in accordance with the contract and (b) to UNICEF's satisfaction. The standard terms of payment are net 30 days, after receipt of invoice. Payment will be effected by bank transfer in the currency of the contract.

The Proposer will suggest a payment schedule for the contract that is linked to clear milestones and/or deliverables identified in the Terms of Reference. UNICEF reserves the right to accept or reject or propose amendments to the proposed payment schedules.

- 1.3 Currency. (a) The currency of the Proposal shall be in USD or MDL. UNICEF will reject any proposals submitted in another currency.  
  
(b) If the above paragraph (a) explicitly permits two or more specified currencies for the Proposals, then for evaluation purposes only, offers submitted in a currency other than US Dollars will be converted into US Dollars using the United Nations rate of exchange in effect on the submission deadline date.
- 1.4 Taxes. Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNICEF as a subsidiary organ, is exempt from all direct taxes, except charges for public utility services. , and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All prices/rates quoted in the Proposal must be net of any direct taxes and any other taxes and duties, unless otherwise specified in the RFPS documents.

### 2. IMPLEMENTATION

- 2.1 No Reliance. Except as expressly set out in the RFPS documents, UNICEF will have no obligation to provide any assistance to the contractor and UNICEF makes no representations as to the availability of any facilities, equipment, materials, systems or licenses which may be helpful or useful for the performance of the work. If the Proposer requires any facilities, equipment, materials, systems or licenses in order to do

the work, this must be explicitly detailed in its Proposal.

- 2.2 **Sub-contractors.** Proposers must identify in their Proposal, any products which may be offered by themselves, but originate from another supplier and/or country. Further, Proposers must identify in their proposal any planned subcontracting of works. All subcontracting arrangements will be reviewed by UNICEF as part of its evaluation of the Proposal.
- 2.3 **Key personnel.** If so required in the Terms of Reference each key personnel profile requested in the Terms of Reference must sign an exclusivity and availability statement. The purpose of Exclusivity and Availability Statement is as follows:
  - (a) The key personnel proposed in the Proposal must not be part of any other Proposer's Proposal being submitted for this RFPS process. They must therefore engage themselves exclusively to the Proposer.
  - (b) Each key personnel must also undertake to be available, able and willing to work for all the period foreseen for his/her input during the implementation of the contract as indicated in the Terms of Reference/ and the Proposal.

Having selected a Proposal partly on the basis of an evaluation of the key personnel presented in the Proposal, UNICEF expects the contract to be executed by these specific personnel. As the expected date of mobilization is given in the RFPS, UNICEF will only consider substitutions after the deadline for the submission of offers in cases of unexpected delays in the commencement date beyond the control of the Proposer, or exceptionally because of the incapacity of a key personnel for health reasons or due to force majeure or other circumstances which may justify a replacement and which would not have any effect on the selection of the Proposal. The desire of a Proposer to use a key personnel on another project or a change of mind on the part of a key personnel about the contract will not be accepted as a reason for substitution of any of the key personnel.

- 2.4 **Joint Ventures.** The description of the organization of the joint venture/consortium/association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of this RFPS, both in the Proposal and the Joint Venture Agreement. All entities that comprise the joint venture will be subject to the eligibility and qualification assessment by UNICEF.

Where a joint venture is presenting its track record and experience in a similar undertaking as those required in this RFPS, it should present such information in the following manner:

- a) Those that were undertaken together by the joint venture; and
- b) Those that were undertaken by the individual entities of the joint venture expected to be involved in the performance of the works defined in this RFPS.

Previous contracts completed by individuals working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the joint venture or those of its members, but should only be claimed by the individuals themselves in their presentation of their individual credentials.

## **PART V – PROPOSER REPRESENTATIONS**

### **1. PRICE – MOST FAVOURED CUSTOMER**

- 1.1 The Proposer confirms that the fees, rates and charges and related pricing terms with respect to the works specified in the Proposal are the most favourable pricing terms available to any customer of the Proposer (or any of the Proposer's affiliates). If at any time during the term of any contract resulting from the Proposal, any other customer of the Proposer (or of any of the Proposer's affiliates) obtains more favourable pricing terms than those provided to UNICEF, the Proposer will retroactively adjust the fee and related pricing terms under the contract to conform to the more favourable terms and the Proposer will promptly pay UNICEF any amounts owing to UNICEF as a result of such retroactive fee adjustment.

### **2. GENERAL REPRESENTATIONS**

By submitting its Proposal in response to this RFPS, the Proposer confirms to UNICEF as at the Submission Deadline:

- 2.1 The Proposer has (a) the full authority and power to submit the Proposal and to enter into any

resulting contract, and (b) all rights, licenses, authority and resources necessary, as applicable, to develop, source and supply the works and to perform its other obligations under any resulting contract. The Proposer has not and will not enter into any agreement or arrangement that restrains or restricts any person's rights to use, sell, dispose of or otherwise deal with any service, deliverable or outcome that may be acquired under any resulting contract.

- 2.2 All of the information it has provided to UNICEF concerning the works and the Proposer is true, correct, accurate and not misleading.
- 2.3 The Proposer is financially solvent and is able to supply the works to UNICEF in accordance with the requirements described in this RFPS.
- 2.4 The use or supply of the works does not and will not infringe any patent, design, trade-name or trade-mark.
- 2.5 The development and supply of the works has complied, does comply, and will comply with all applicable laws, rules and regulations.
- 2.6 The Proposer will fulfill its commitments with the fullest regard to the interests of UNICEF and will refrain from any action which may adversely affect UNICEF or the United Nations.
- 2.7 It has the personnel, experience, qualifications, facilities, financial resources and all other skills and resources to perform its obligations under any resulting contract.
- 2.8 The Proposer agrees to be bound by the decisions of UNICEF, including but not limited to, decisions as to whether the Proposer's Proposal meets the requirements and instructions stated in this RFPS and the results of the evaluation process.

### 3. ETHICAL STANDARDS

UNICEF requires that all Proposers observe the highest standard of ethics during the entire solicitation process, as well as the duration of any contract that may be awarded as a result of this solicitation process. UNICEF also actively promotes the adoption by its suppliers of robust policies for the protection and safeguarding of children and the prevention and prohibition of sexual exploitation and sexual abuse.

By submitting its Proposal in response to this RFPS, the Proposer makes the following representations and warranties to UNICEF as at the Submission Deadline:

- 3.1 In respect of all aspects of the solicitation process the Proposer has disclosed to UNICEF any situation that may constitute an actual or potential conflict of interest or could reasonably be perceived as a conflict of interest. In particular, the Proposer has disclosed to UNICEF if it or any of its affiliates is, or has been in the past, engaged by UNICEF to provide services for the preparation of the design, specifications, cost analysis/estimation, and other documents to be used for the procurement of the works requested under this RFPS; or if it or any of its affiliates has been involved in the preparation and/or design of the programme/project related to the works requested under this RFPS.
- 3.2 The Proposer has not unduly obtained, or attempted to unduly obtain, any confidential information in connection with the solicitation process and any contract that may be awarded as a result of this solicitation process.
- 3.3 No official of UNICEF or of any United Nations System organisation has received from or on behalf of the Proposer, or will be offered by or on behalf of the Proposer, any direct or indirect benefit in connection with this RFPS including the award of the contract to the Proposer. Such direct or indirect benefit includes, but is not limited to, any gifts, favours or hospitality.
- 3.4 The following requirements with regard to former UNICEF officials have been complied with and will be complied with:
  - (a) During the one (1) year period after an official has separated from UNICEF, the Proposer may not make a direct or indirect offer of employment to that former UNICEF official if that former UNICEF official was, during the three years prior to separating from UNICEF, involved in any aspect of a UNICEF procurement process in which the Proposer has participated.

- (b) During the two (2) year period after an official has separated from UNICEF, that former official may not, directly or indirectly on behalf of the Proposer, communicate with UNICEF, or present to UNICEF, about any matters that were within such former official's responsibilities while at UNICEF.
- 3.5 Neither the Proposer nor any of its affiliates, or personnel or directors, is subject to any sanction or temporary suspension imposed by any United Nations System organisation or other international inter-governmental organisation. The Proposer will immediately disclose to UNICEF if it or any of its affiliates, or personnel or directors, becomes subject to any such sanction or temporary suspension during the term of the contract. If the Proposer or any of its affiliates, or personnel or directors becomes subject to any such sanction or temporary suspension during the term of any resulting contract, UNICEF will be entitled to suspend the contract for a period of time up to thirty (30) days or terminate the contract, at its sole choice, with immediate effect upon delivery of a written notice of suspension or termination, as the case may be, to the Proposer. If UNICEF chooses to suspend the contract it will be entitled to terminate the contract at the end of the thirty (30) days' suspension at UNICEF's sole choice.
- 3.6 The Proposer will (a) observe the highest standard of ethics; (b) use its best efforts to protect UNICEF against fraud, in the solicitation process and in the performance of any resulting contract; and (c) comply with the applicable provisions of UNICEF's Policy Prohibiting and Combatting Fraud and Corruption which can be accessed on the UNICEF website at <https://www.unicef.org/supply/resources/procurement-policies>. In particular, the Proposer will not engage, and will ensure that its personnel, agents and sub-contractors do not engage, in any corrupt, fraudulent, coercive, collusive or obstructive conduct as such terms are defined in UNICEF's Policy Prohibiting and Combatting Fraud and Corruption.
- 3.7 The Proposer will comply with all laws, ordinances, rules and regulations bearing upon its participation in this solicitation and the UN Supplier Code of Conduct (available at the United Nations Global Marketplace website - [www.ungm.org](http://www.ungm.org)).
- 3.8 Neither the Proposer nor any of its affiliates, is engaged, directly or indirectly, (a) in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32, or the International Labour Organisation's Convention Concerning the Prohibition and Immediate Action for the Elimination of the Worst Forms of Child Labour, No. 182 (1999); or (b) in the manufacture, sale, distribution, or use of anti-personnel mines or components utilised in the manufacture of anti-personnel mines.
- 3.9 The Proposer has taken and will take all appropriate measures to prevent sexual exploitation or abuse of anyone by its personnel including its employees or any persons engaged by the Proposer to perform any works and services in the Proposer's participation in this solicitation. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, will constitute the sexual exploitation and abuse of such person. The Proposer has taken and will take all appropriate measures to prohibit its personnel including its employees or other persons engaged by the Proposer, from exchanging any money, goods, services, or other things of value, for sexual favours or activities or from engaging in any sexual activities that are exploitive or degrading to any person.
- 3.10 The Proposer confirms that it has read UNICEF's Policy on Conduct Promoting the Protection and Safeguarding of Children. The Proposer will ensure that its Personnel understand the notification requirements expected of them and will establish and maintain appropriate measures to promote compliance with such requirements. The Proposer will further cooperate with UNICEF's implementation of this Policy.
- 3.11 The Proposer will inform UNICEF as soon as it becomes aware of any incident or report that is inconsistent with the undertakings and confirmations provided in this Article 3.
- 3.12 Each of the provisions in this Article 3 of Part V constitutes an essential condition of participation in this solicitation process. In the event of a breach of any of these provisions, UNICEF is entitled to disqualify the Proposer from this solicitation process and/or any other solicitation process, and to terminate any contract that may have been awarded as a result of this solicitation process, immediately upon notice to the Proposer, without any liability for termination charges or any liability of any kind. In addition, the Proposer may be precluded from doing business with UNICEF and any other entity of the United Nations System in the future.

#### 4. AUDIT

- 4.1 From time to time, UNICEF may conduct audits or investigations relating to any aspect of a contract awarded in relation to this RFPS, including but not limited to the award of the contract and the Proposer's compliance with the provisions of Article 3 above. The Proposer will provide its full and timely cooperation with any such audits or investigations, including (but not limited to) making its personnel and any relevant data and documentation available for the purposes of such audits or investigations, at reasonable times and on reasonable conditions, and granting UNICEF and those undertaking such audits or investigations access to the Proposer's premises at reasonable times and on reasonable conditions in connection with making its personnel and any relevant data and documentation available. The Proposer will require its sub-contractors and its agents to provide reasonable cooperation with any audits or investigations carried out by UNICEF.

**ANNEX B: TERMS OF REFERENCE**

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**FOR**

**Construction works for adaptation and improvement of accessibility infrastructure in the  
“Boris Dinga” High School, located in Criuleni city, Republic of Moldova**

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## 1.0 BACKGROUND

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- 1.1. The Republic of Moldova embraces an education policy that is consistent with the European and international education standards that responds to the current issues and needs of the education system and its beneficiaries. The documents underpinning the strategic development of the education system are proof of the commitment of the Government of the Republic of Moldova to shift the focus on improving quality and sustainability of education. Aligned with the objectives of the Development Strategy “Education 2030” (DS), the education system still faces challenges related to the quality of the professional development system for teachers.
- 1.2. During 2024 – 2027, UNICEF and UNDP will jointly implement the Project “Advancing Quality Education and Lifelong Learning Opportunities for All”, funded by the European Union. The overall objective of the joint project Advancing Quality Education and Lifelong Learning Opportunities for All is to contribute to human capital development in the Republic of Moldova, improving quality and relevance of education and lifelong learning opportunities for all, for better matching the labour market demands. To achieve this, the Program will target the following specific objectives:
  - Strengthen institutions and system for teacher and school leaders' professional development and support the implementation of education policies to enhance quality of teaching and learning (Development Strategy “Education 2030”).
  - Improve equitable access for all children to quality education, promoting the development of an inclusive, digital, and resilient education system.
  - Upgrade learning environments through renovation of selected schools infrastructures and facilitate the development of the 21st century skills, contributing to better education opportunities for students/students and improved efficiency of the school network.
- 1.3. To that aim, UNICEF Moldova will support construction works for the adaptation and improvement of accessibility measures in the selected schools, based on the approved design documentation and in line with applicable national standards and accessibility requirements, as detailed in the Scope of Work below.
- 1.4. This project is expected to benefit more than 6946 children by providing safe and accessible entrance and use of school facilities and education services, which is a fundamental right that safeguards health and human dignity.

## 2.0 DEFINITION

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- 2.1. **Building Accessibility Improvement** refers to the process of modifying, adapting, or retrofitting a building's infrastructure to ensure that it is accessible and usable by all individuals, including those with disabilities or reduced mobility.
- 2.2. **Renovation** of a building refers to the demolition & reconstruction work within the existing building, mentioned below as generic items. They will vary based on the specific needs of each building.
- 2.3. **Rehabilitation of WASH facilities** (Water, Sanitation, and Hygiene) refers to the process of restoring or improving existing water, sanitation, and hygiene infrastructure to ensure their functionality, safety, and effectiveness. The process includes also renewing flooring, walls, and ceilings, and ensuring that all fixtures and fittings meet current health, safety, and accessibility standards.
- 2.4. **Design documentation** refers to the set of technical documents that includes the detailed design drawing, (architectural, structural, mechanical, electrical, and plumbing drawings and other compartments), instructions and specifications necessary to perform the construction project.
- 2.5. **Cost estimates and BoQ** are documents used to appreciate the costs of materials, labour, and other resources required for a construction project. The cost estimates documentation includes detailed breakdowns of costs for each compartment of the project, while the BoQ provides a list with all types of works, quantities, and unit prices needed for the project.
- 2.6. **Construction** of new buildings refers to the construction of an independent built structure.
- 2.7. **Internal Service Design** refers to the process of planning and creating the infrastructure and networks inside a building to support its functionality and meet the needs of its users. This includes the design of internal systems such as plumbing, electrical wiring, HVAC, lighting, and communication systems. Internal service design ensures that the building's internal services are efficiently and safely integrated, adhering to all relevant codes and standards.

## 3.0 SCOPE OF WORK

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- 3.1 **Objective:** The objective of these Terms of Reference is to guide a bidding exercise to identify suitable Contractors to execute the Works described below within the agreed quality, budget and timeline. The general aim of the Project includes the **adaptation and improvement of**

**accessibility infrastructure in the “Boris Dinga” High School, located in Criuleni city, Republic of Moldova.**

- 3.2 **Nature of works and location:** This Project includes the improvement and adaptation of the existing school infrastructure, including entrances and emergency exits, internal circulation and navigation elements, accessible WASH facilities, and the Resource Center for Inclusive Education, to ensure safe, inclusive and barrier-free access for persons with reduced mobility and other disabilities.
- 3.3 **Organization of project into phases:** This is a one-off project that includes construction works for the adaptation and improvement of accessibility measures in the selected school and shall be implemented in a single phase.
- 3.4 **Management of lots:** The Potential Bidder is eligible to submit a bid only for the full package of the works mentioned below. No division in lots is foreseen. In any case, UNICEF reserves the right to distribute the work compartments to one or more Contractors based on their technical and financial performance or to cancel certain works based on the available budget. The final decision will be made in line with the Contract distribution option that best serves UNICEF's interests, adhering to the best value for money principle.
- 3.5 **General specifications:** The Works will be carried out in accordance with the Drawings, Bill of Quantities and Technical Specifications provided under Annex E: Technical Documents and in accordance with all construction standards applicable on the territory of the Republic of Moldova.
- 3.6 **Site visit:** Potential Bidders shall visit the site prior to submitting their offer to get familiar with site conditions that may affect their Proposals. Potential Bidders are expected to make their own arrangements to visit the site and at their own expense. UNICEF shall accept no excuse or claim whatever from the Selected Contractor for not knowing or being able to properly evaluate the site condition and assess the equipment, local material, local labour, etc. requirements for the Works to be carried out. Questions should be submitted in writing to UNICEF in accordance with instruction provided under the RFP.
- 3.7 **Greening and accessibility:** All construction and rehabilitation works implemented directly or indirectly by UNICEF shall be in line with the Organization's commitments towards Accessible Buildings and achieving Climate Neutrality by 2020, as per [PROCEDURE/DFAM/2020/001](#) on Eco-efficiency and Inclusive Access in UNICEF Premises and Operations, [CF/EXD/2017-004](#) on Accessibility in UNICEF's Programme-Relegated Construction, and Decision Memo: UNICEF Climate Neutral Strategy, 26 May 2015.
- 3.8 **Other Considerations:** The Contractor shall develop, submit for approval, and strictly implement a site-specific Environmental and Social Management Plan (ESMP) for the construction works. The ESMP shall define the measures required to prevent, mitigate and monitor potential environmental, social, health and safety risks during implementation, including site organization, workers' health and safety, safe access and movement within the school premises, waste management, dust and noise control, protection of children and school staff, emergency preparedness, and grievance management. The Contractor shall ensure that all works are carried out in full compliance with the approved ESMP, applicable national legislation, UNICEF environmental and social requirements, and any instructions issued by the Engineer/Supervisor.

#### **4.0 EXPECTED DELIVERABLES AND TIMEFRAME**

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- 4.1 The timely completion of these construction Works is of utmost importance for UNICEF.
- 4.2 The Intended Substantial Completion Date should be no later than **[four (4)]** calendar months from the **Start Date**. Upon UNICEF's acceptance of Works at Substantial Completion, the Certificate of Substantial Completion will be issued.
- 4.3 The Defects Liability Period is [six (6)] calendar months counted as from the date of the Certificate of Substantial Completion. Upon UNICEF's acceptance of Works at Final Completion, the Certificate of Final Completion will be issued, and the Contract will be closed upon issuing of final payment.
- 4.4 UNICEF will issue partial and final payments upon satisfactory completion of each Deliverable. The invoice should have attached a copy of the works execution protocols approved and signed by the representatives of Construction Company and Beneficiary
- 4.5 The Potential Bidder may propose additional, or alternative, Deliverables to suit their recommended sequencing of the Works and expected cash flow during execution of the Works. UNICEF will consider the Proposal as part of the technical evaluation.

**Table 2: Deliverables and Timeframe**

| Deliverable # | Scope of deliverable                                                                                                                                                                                                  | Suggested payment distribution | Timeframe                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------|
| 1             | Mobilization, submission and approval of the work programme, site-specific ESMP, site organization, temporary protection/demarcation measures, and commencement of works                                              | 10%                            | By end of 1 <sup>st</sup> month       |
| 2             | Completion of demolition, dismantling, preparatory works, and main civil/structural adaptation works, including entrances, ramps, access routes and other accessibility-related construction elements                 | 25%                            | end of 2 <sup>nd</sup> month          |
| 3             | Completion of main indoor adaptation works, including accessible WASH facilities, internal circulation improvements, Resource Center renovation, MEP works, and installation of visual/tactile accessibility elements | 30%                            | end of 3 <sup>rd</sup> month          |
| 4             | Completion of all finishing works, installation of equipment, accessories, handrails, signage, final reinstatement works, testing and pre-handover corrections                                                        | 25%                            | mid of 4 <sup>th</sup> month          |
| 5             | Substantial completion of works                                                                                                                                                                                       | 10%                            | end of 4 <sup>th</sup> month          |
| 6             | <b>Defects Liability Period security</b> — covered by a Bank Guarantee equal to 10% of the Contract Price, valid for the full Defects Liability Period                                                                | Not a separate payment         | 6 months after substantial completion |

## 5.0 ELIGIBILITY AND QUALIFICATION

5.1 The Potential Bidder shall provide all the information and documentation requested in this section with its Proposal. Failure to submit the information below will disqualify the Potential Bidder.

5.2 **Documents** to be submitted in the Technical Proposal:

- The Potential Bidder must be registered construction company in the Republic of Moldova and have no conflict of interest to the Project. Technical Proposals shall include copies of original documents defining the constitution or legal status of the company, place of registration, and principal place of business; written power of attorney of the signatory of the Contractor to commit the Contract.
- A statement that the company (including all members of a joint venture and Sub-Contractor) is not associated, nor has been associated in the past, directly or indirectly, with the Project Manager or any other entity that has prepared the design, specifications, and other documents for the Project or being proposed as the Project Manager for the Contract.
- Copy of curriculum vitae (Maximum two (2) pages) of key personnel to be involved in the Project, such as Contract/Project Manager, Clerk of Works, Foreman. UNICEF may verbally interview the key personnel before the commencement of the Project.
- Reports on the financial standing of the Potential Bidder, such as profit and loss statements and auditor's reports for the past three years.
- Evidence of adequacy of working capital for the signed Contract (access to line(s) of credit and availability of other financial resources).
- Proposed Project Implementation Plan of Works showing the proposed implementation methods, quality control strategy, schedule for all the activities in the Works.

5.3 The Potential Bidder must provide sufficient **information** in their Proposal to demonstrate compliance with the requirements defined by UNICEF. The forms listed below contains the eligibility and minimum qualifying criteria that UNICEF will use to evaluate Proposal for the award of Contract.

5.3.1 Information to be submitted in the Technical Proposal (ANNEX C):

- Technical Proposal Submission (Form 1)
- Technical Proposal Letter (Form 2)
- Potential Bidder General Information (Form 3)
- Potential Bidder's Contact Details (Form 4)
- List of Proposed Key Personnel (Form 5)
- List of Machine and Equipment (Form 6)
- Potential Bidder's Financial Information/ Adequacy of Working Capital (Form 7)
- List of Completed Similar Services Undertaken the Last 3 Years (Form 8)
- Works in Hand and their Financial Values (Form 9)

- Litigations (Form 10)
  - Proposed Project Implementation plan of Works (Form 11)
- 5.3.2 Information to be submitted in the Financial Proposal (ANNEX D):
- Financial Proposal Letter (Form 12)
  - Summary of Financial Proposal (Form 13)
  - Completed Bill of Quantities (Form 14)
- 5.4 The Proposals prepared by potential contractors and all correspondence and documents relating to the Proposals exchanged by potential contractors and UNICEF shall be written in the [English] language.
- 5.5 Errors in the Proposals
- Bidders are expected to examine all instructions and documentation of the RFP. Failure to do so will be at Bidders' own risk. In case of errors in the extension price, the unit price shall govern.
  - In the event of any discrepancy between the copies of the Proposals, the original shall govern. The original and each copy of the Technical and Financial Proposal shall be prepared in indelible ink and shall be signed by the authorized Contractor's representative.
  - The Proposal shall contain no interlineations or overwriting except as necessary to correct errors made by the Bidders themselves. Any such correction shall be initialled by the person or persons signing the Proposal.

## 6.0 EVALUATION PROCESS AND METHOD

- 6.1 Following closure of the RFP, Technical Proposals will be evaluated by the evaluation team. The evaluation will be restricted to the contents of the Technical Proposals and the reference checks.
- 6.2 UNICEF will first evaluate the completeness and responsiveness of Proposals in relation to:
- The sealed double envelope system is followed (Technical Proposal and Financial Proposal are submitted in separate sealed envelopes each)
  - Submission of all document requested in Section 5.2 and all information requested in Section 5.3.
  - The Technical Proposal letter is duly signed (Form 2)
- 6.3 Proposals that fail to comply with the above will be disqualified and will not be given further consideration.
- 6.4 UNICEF will then evaluate the technical merits of each Technical Proposal using the rating system in **Table 3** below.
- 6.5 A maximum of **70 points** will be assigned to the Technical Proposals. Technical Proposals receiving **49 points (70%)** or higher will be considered technically responsive. Non-technically compliant and non-responsive Proposals will not be given further consideration.
- 6.6 UNICEF will evaluate the Financial Proposals of those RFPs the bids that pass the technical evaluation. The total number of points allocated for the Financial Proposal is **30 points**. The maximum number of points will be allocated to the Proposal with the lowest price. All other Price Proposals shall receive points in inverse proportion to the lowest price.
- 6.7 The recommendation for the award will be based on the best value for money principle. The Proposal obtaining the highest cumulative score (Technical + Financial) will be recommended for the award.

**Table 3 Evaluation Criteria**

| CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAXIMUM POINTS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Technical Evaluation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |
| <b>1. Capability (skills, expertise and experience) of the Potential Bidder [and Key Personnel]</b> <ul style="list-style-type: none"> <li>- Sufficient capacity and workforce in the field, assessed based on the list of personnel proposed for the execution of the Works</li> <li>- Experience in providing similar services/ similar works (minimum 3 years), as per the list of similar nature completed works in the past three (3) years with reference</li> <li>- Number of years as a building Works contractor for related Works (proof required)</li> <li>- Experience providing related services to other international organizations or commercial entities</li> <li>- The number and the corresponding value of related assignments undertaken in the country</li> </ul> | (20)           |
| <b>2. Capacity (resources and availability) of the Potential Bidder:</b> <ul style="list-style-type: none"> <li>- Financial capacity of the company (assessed based on the financial reports for the last 3 years and the estimated construction costs)</li> <li>- Availability of the equipment, machinery, tools and other technical resources required for the execution of the works, evaluated based on the list of equipment proposed by the Bidder, indicating whether such equipment is owned, leased or otherwise available.</li> </ul>                                                                                                                                                                                                                                        | (20)           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| - The equipment proposed should be sufficient to achieve the timely completion of the Works, with consideration for concurrent operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| <b>3. Proposed Solution (Approach, Methodology, Schedule, Quality and time Control plan)</b> <ul style="list-style-type: none"> <li>- Understanding of scope and objectives</li> <li>- Proposed Implementation Plan showing the overall approach to be adopted in the execution of the Works</li> <li>- Detailed quality control plan to be used in the execution of the Works, addressing anticipated risks, handling of materials, workmanship and record keeping on site to track daily progress.</li> <li>- Understanding of, and responsiveness to, UNICEF requirements, social and environmental responsibility</li> </ul> | (30)         |
| <b>Financial Evaluation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| <b>4. Price</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (30)         |
| <b>TOTAL MARK (Technical + Financial points)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>(100)</b> |

## 7.0 PROJECT MANAGEMENT

### 7.1 Project Management and Coordination

- UNICEF will oversee the Works and the administration of the Contract, including the certification of payments through an appointed Project Management, or any other competent person, entity or firm appointed by UNICEF and notified to the Selected Contractor, to act in replacement of the Project Manager.
- UNICEF will supervise and inspect the Works during its execution through its Project Manager, or its representative. The Project Manager, or its representative, will provide instructions and clarify technical queries during the execution of Works in consultation with UNICEF.
- UNICEF, through its Project Manager or its representative, will regularly check the progress of Works and notify the Selected Contractor of any defects that are found. Such checking shall not affect the Selected Contractor's responsibilities.
- If the Selected Contractor has not corrected a defect within the time agreed with UNICEF's Project Manager or its representative, the Selected Contractor will be liable for Liquidated Damages.
- Communications between parties shall be valid only when in writing. Notice shall be valid only when it is delivered.

### 7.2 Management Meetings

- Either UNICEF's Project Manager, its representative or the Selected Contractor may require the others to attend a management meeting. The business of a management meeting shall be to review the plans for remaining Works and to deal with matters raised under the procedure for "Delays and Extension of time" sets out under UNICEF Contract for Construction.
- UNICEF's Project Manager or its representative shall record the meetings and provide copies of the record to those attending the meeting and to UNICEF, including action points and responsible for each action point.

### 7.3 Payment Certificates

- The Bill of Quantities is used to calculate the Contract Price for each Deliverable. The Selected Contractor will be paid for each deliverable accepted by UNICEF and following the price to each Deliverable agreed in the Contract.
- UNICEF will certify acceptance of partial, substantial, and final Works through its Project Management, or its representative. No payments will be processed prior to a written certificate of its satisfactory acceptance. Payments will be issued within a period defined in the Contract and following UNICEF's procedures.

## **ANNEX C: TECHNICAL PROPOSAL FORMS**

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The following Annexes and information there within are considered an integral part of this submission and must be provided for the Proposal to be considered. The information should be provided according to the sample format.

### **Form 1: Technical Proposal Submission**

This PROPOSAL FORM must be completed, signed and returned to UNICEF. Proposal must be made in accordance with the instructions contained in this Request for Proposal.

#### **INFORMATION**

Any request for information concerning this invitation must be forwarded in writing by email or by fax, to the person who prepared this document, with specific reference to the RFP number.

#### **DECLARATION**

The undersigned, having read the Terms of Reference, the UNICEF Contract for Construction Works, the UNICEF General Terms and Conditions, and **RFP# LRPS-2026-9206112** set out in the attached document, hereby offers to supply the services specified in Terms of Reference at the price or prices quoted in the Schedule of Prices, in accordance with the specifications stated and subject to the Terms and Conditions set out or specified in the **RFP# LRPS-2026-9206112**

**Name of authorized representative:**

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**Title:**

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**Signature:**

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**Date:**

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**Supplier Name:**

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**Postal Address:**

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**Telephone No.:**

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**Fax No.:**

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**Email Address:**

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**Validity of Offer (not less than 90 days):**

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**Currency of Offer:**

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## Form 2: Technical Proposal Letter

Date: \_\_\_\_\_

To: UNICEF Moldova, 131, 31 August 1989, MD-2012, Chisinau, Moldova

Dear Madam/Sir,

We, the undersigned, offer to provide **Construction works for adaptation and improvement of accessibility infrastructure in the “Boris Dinga” High School, located in Criuleni city, Republic of Moldova** in accordance with your Request for Proposal **LRPS-2026-9206112 dated 17.09.2026** and our Proposal dated [-----]. We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal sealed under separate envelopes.

If negotiations are held during the period of validity of the Proposal, we undertake to negotiate based on the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We understand that you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature:  
Name and Title of Signatory:  
Name of Construction Company  
Address:

### Form 3: Potential Bidder General Information

| Potential Bidder General Information                                                   |                                                                |                                             |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------|
| Description                                                                            | Information<br>(to be filled by the Potential Bidder)          | Remarks                                     |
| Company legal name                                                                     |                                                                |                                             |
| Company founded year                                                                   |                                                                |                                             |
| Registration number /<br>Company tax number (IDNO)                                     |                                                                |                                             |
| Company license number<br>and expiry date (for the<br>required services if applicable) |                                                                |                                             |
| <b>Legal Status</b>                                                                    |                                                                | Provide certified copies of<br>Registration |
| Written power of attorney of<br>the signatory to the Bid                               | Provide original or certified copy of the power of<br>attorney |                                             |
| <b>VAT Registration Nr.</b>                                                            |                                                                |                                             |

### Form 4: Potential Bidder's Contact Details,

|                                            |  |
|--------------------------------------------|--|
| Name and Title of Contact Person           |  |
| Address of Contact Person                  |  |
| Telephone/Cell number of Contact<br>Person |  |
| Email of Contact Person                    |  |

### Form 5: Staff Qualification and Experience

Qualifications and experience of key management and technical personnel proposed for this Project. Signed CVs (Max. two (2) pages) of all proposed key staff must accompany the submission, and it should be noted that substitution of staff during Project implementation shall be subject to the approval of UNICEF. (Key Personnel of all sub-Contractors must also be listed along with the name of the sub-Contracting Companies). A detailed organization chart of the company, including the location and staffing of existing offices must also be attached to the offer.

| Construction Management Staff |          |      |
|-------------------------------|----------|------|
| <b>A. Key Professionals</b>   |          |      |
| Name                          | Position | Task |
|                               |          |      |
|                               |          |      |
|                               |          |      |
|                               |          |      |
|                               |          |      |
| <b>B. Support Staff</b>       |          |      |
| Name                          | Position | Task |
|                               |          |      |
|                               |          |      |
|                               |          |      |

### Form 6: List of Machine and Equipment

Bidders are required to submit a detailed list of all equipment that will be used for the execution of the works. The list should clearly distinguish between equipment specifically allocated for this project and equipment that is part of the bidder's general inventory.

| No                                                                       | List of machine and Equipment | Quantity | Remark (rent, own, year of production, condition) |
|--------------------------------------------------------------------------|-------------------------------|----------|---------------------------------------------------|
| A. General inventory of Machine and Equipment                            |                               |          |                                                   |
| 1                                                                        |                               |          |                                                   |
| 2                                                                        |                               |          |                                                   |
| 3                                                                        |                               |          |                                                   |
| B. Machine and Equipment planned to be used specifically for the project |                               |          |                                                   |
| 1                                                                        |                               |          |                                                   |
| 2                                                                        |                               |          |                                                   |
| 3                                                                        |                               |          |                                                   |

**Form 7: Potential Bidder's Financial Information/ Adequacy of Working Capital**

IMPORTANT: Please provide attached copies of Financial Reports for the last three (3) years.

| Adequacy of Working Capital |        |                                     |
|-----------------------------|--------|-------------------------------------|
| Source of credit line       | Amount | Remarks                             |
|                             |        | <i>Provide documentary evidence</i> |
|                             |        |                                     |
|                             |        |                                     |
|                             |        |                                     |
| Total                       |        |                                     |

**Form 8: List of Completed Similar Services Undertaken in the Last 3 Years**

Please provide copies of signed Contracts and Certificates of final completion for each completed service

| Similar Services Undertaken in the Last 3 Years |                               |            |          |        |
|-------------------------------------------------|-------------------------------|------------|----------|--------|
| Employer name & contact details                 | Description of Works/Services | Start date | End date | Amount |
|                                                 |                               |            |          |        |
|                                                 |                               |            |          |        |
|                                                 |                               |            |          |        |
| Total:                                          |                               |            |          |        |

**Form 9: Works in hand & their Financial Value**

| Works in Hand                   |                               |            |          |        |
|---------------------------------|-------------------------------|------------|----------|--------|
| Employer name & contact details | Description of Works/Services | Start date | End date | Amount |
|                                 |                               |            |          |        |
|                                 |                               |            |          |        |
|                                 |                               |            |          |        |
| Total:                          |                               |            |          |        |

**Form 10: Litigations**

Information on any current litigation in which the Firm(s) is involved.

| Other Party(ies) | Cause of Dispute | Amount Involved |
|------------------|------------------|-----------------|
|                  |                  |                 |
|                  |                  |                 |
|                  |                  |                 |
|                  |                  |                 |
|                  |                  |                 |

### **Form 11: Proposed Project Implementation Plan**

The proposed Project Implementation Plan of Works and schedule of activities must be submitted with this Technical Proposal. The work plan and schedule should be prepared in detail to the extent possible and include time allocated to sites- and district-level periodic progress review meetings and preparation of agreed progress reports.

The Potential Bidder may be asked to provide clarification or present the Proposed Plan to UNICEF as part of the Proposal evaluation process. The Selected Contractor will submit the final Project Implementation Plan for UNICEF's approval within [fourteen (14)] calendar days of the Effective Date of the signed Contract (see 4.3). The Project Implementation Plan submitted by the Selected Contractor and accepted by UNICEF will be part of the agreement signed with the Selected Contractor. Penalties for delays will be strictly enforced as per the General Terms and Conditions.

The Proposed Implementation plan shall include:

- implementation methods;
- number of workers to be involved in the execution;
- quality control strategy;
- schedule for all activities in a bar chart format, personnel plan in line with scheduled Deliverables and payment;
- analysis of anticipated Project risks, and their approach to mitigate and control such risks;
- proposed approach to mitigate negative social and environmental impact on local community by the Project, approach to address labor's rights and their health and safety.

**Form 12: Financial Proposal Letter**

Date: \_\_\_\_\_

To: UNICEF Moldova, 131, 31 August 1989, MD-2012, Chisinau, Moldova

Dear Madam/Sir,

We, the undersigned, offer to provide **Construction works for adaptation and improvement of accessibility infrastructure in the “Boris Dinga” High School, located in Criuleni city, Republic of Moldova** as specified in the Annex B and Annex-E following your Request for Proposal **LRPS-2026-9206112 dated 17.09.2026**, and our Technical Proposal.

Our attached Financial Proposal is for the sum of (-----  
-----amount in figures and words). This amount is inclusive of all taxes payable under the applicable law.

Our Financial Proposal shall be binding on us subject to the modifications resulting from Contract negotiations, up to the expiration of the validity of the Proposal.

We understand that you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature:

Name and Title of Signatory:

Name of Construction Company

Address:

**Form 13: Sample of Financial Proposal (from BOQ)**

**Complete the BOQs for appropriate LOT NUMBER shared in Annex-E and provide the summary below in Table (or only for applicable Lot).**

**Table-13.1: Summary of Financial Proposal**

| #     | Compartment Name                          | Total Value (MDL) |
|-------|-------------------------------------------|-------------------|
| 2-1-1 | Architectural Constructive Solutions      |                   |
| 2-1-2 | Heating and Ventilation                   |                   |
| 2-1-3 | Indoor electrical network                 |                   |
| 2-1-4 | Fire alarm system (SIP)                   |                   |
| 2-1-5 | Telecommunications and signalization (TS) |                   |
| 2-1-6 | Technological Equipment                   |                   |
| 7-1   | General Plan                              |                   |
| 3     | General requirements (Lump Sum)           |                   |

**Notes:**

- UNICEF will assume that the Potential Bidder has factored in its offer all causes that may influence the prices.
- All prices are inclusive of all fees, sub-Contractor fees, documentation reproduction, legal fees, contingencies, and administrative fees, all taxes, or any other fees necessary to the Potential Bidder to achieve the Objective of the RFP.
- All amounts should be quoted in [Local currency MDL/ Moldovan Leu].
- The Selected Contractor shall be paid only upon UNICEF acceptance of the work or deliverable.
- Inform the Bank, branch, and account information. Indicate names of persons operating the agency account. All payment will be done through bank transfer.
- The Potential Bidder may suggest the alternative payment schedule (the manner in which payment requested), with justification of each installment with the Deliverables UNICEF will receive against each installment required.
- In case, advance payment is requested, the Selected Contractor should provide an unconditional guarantee issued by a bank on behalf of the Selected Contractor and in favor of UNICEF to guarantee either submission of deliverables according to the Contract, or to refund the advance to UNICEF in case of default by the Selected Contractor. The Selected Contractor must bear any charges for such guarantee.

**Form 14: Completed Price Bill of Quantities (BoQ)**  
**(as part of Financial Proposal)**

### **General Technical Specifications**

The General technical specifications (GTS) provide the minimum technical requirements for the execution of construction works for the adaptation and improvement of accessibility measures in the selected school. This Annex shall be read together with the main TOR, the Contract, the approved design documentation, drawings, technical specifications, Bills of Quantities, site information, ESMP requirements, UNICEF procedures and applicable Moldovan construction regulations and includes the following:

1. General Requirements
2. Site information
3. Scope of Works
4. Compliance with Design, Standards and Approvals
5. Site Verification and Setting Out
6. Work Plan, Method Statement and Pre-Construction Submissions
7. Materials, Equipment and Workmanship
8. Testing Requirements
9. Accessibility Requirements
10. Resource Center for Inclusive Education
11. Indoor Electrical Network, Fire Alarm System (SIP) and Telecommunications/Signalization (TS)
12. WASH Facilities and Sanitary Equipment
13. Site Organization and Works in an Operating School Environment
14. Environmental, Social, Health and Safety Requirements
15. Protection of Existing Property and Utilities
16. Construction Quality Documentation
17. Coordination, Reporting and Change Management
18. Cleaning, Reinstatement and Site Handover
19. Substantial Completion of Works
20. Defects Liability Period
21. Final Completion

#### **1. General Requirements**

The Contractor is responsible for executing the construction works in a complete, professional and technically compliant manner, ensuring that all adapted areas are safe, functional, durable, accessible and ready for use upon completion.

All works must be carried out in accordance with the approved design documentation, drawings, technical specifications, Bills of Quantities, applicable national construction norms and standards, accessibility requirements, environmental and social requirements, the approved ESMP, UNICEF requirements applicable to the project, and the instructions issued by UNICEF and/or the Engineer.

The Contractor is responsible for the full and proper execution of the works, including all labour, materials, equipment, tools, temporary works, transportation, testing, protection measures, cleaning, reinstatement and any other resources required to complete the works. This includes auxiliary or incidental activities that may not be expressly detailed in the Bills of Quantities but are technically necessary for proper completion, functionality and safe use of the works.

The works must be coordinated across all relevant disciplines, including civil, structural, architectural, finishing, sanitary, plumbing, sewerage, heating, ventilation, electrical, accessibility and related works. The Contractor is expected to avoid conflicts between different work categories and to immediately notify UNICEF and/or the Engineer of any technical inconsistency identified in the documentation or during implementation.

No deviation is permitted from the approved design documentation, technical specifications, Bills of Quantities or agreed technical solutions without prior written approval from UNICEF and/or the Engineer. Where such deviation affects design parameters, accessibility compliance, structural safety, fire safety, public health, utility systems or other regulated aspects, the approval of the Designer and/or relevant authorities must also be obtained, as applicable.

Before commencing works, the Contractor must verify the existing site conditions and confirm that the works can be executed in accordance with the approved design documentation. Any discrepancies related to dimensions, levels, slopes, existing utilities, structural elements, access routes, site constraints or other technical conditions must be reported immediately to UNICEF and/or the Engineer before execution of the affected works.

All works must be executed by qualified personnel with relevant experience for the type of works performed. Activities that require legally authorized or certified specialists under Moldovan legislation may be carried out only by such specialists.

All materials, products, equipment and accessories incorporated into the works must be new, unused, fit for purpose, durable, safe, suitable for use in an educational environment and compliant with the approved technical specifications and applicable standards. The Contractor must provide quality certificates, conformity declarations, technical data sheets, warranties, test reports and other supporting documents as required by the Contract, Moldovan legislation and UNICEF and/or the Engineer.

Accessibility measures must be executed as permanent, safe and functional elements suitable for independent use by persons with reduced mobility and other disabilities. Accessibility solutions must not be reduced, simplified, replaced with temporary measures or modified for aesthetic, operational or convenience reasons without prior written approval from UNICEF, the Engineer, the Designer and relevant authorities, where applicable.

The Contractor is responsible for protecting all existing school infrastructure, utilities, finishes, equipment, furniture, access routes and surrounding areas, whether included in or adjacent to the works. Unauthorized access to, occupation of, or use of spaces outside the approved scope of intervention is not permitted unless prior approval is obtained from UNICEF and/or the Engineer and the school administration. Any damage caused by the Contractor must be repaired or replaced at the Contractor's own cost, to the satisfaction of UNICEF and/or the Engineer and the school administration.

Continuous quality control must be maintained throughout implementation. The Contractor must perform all inspections, measurements, tests and checks required by the approved documentation, applicable norms, manufacturer's instructions and instructions of UNICEF and/or the Engineer. Works that do not comply with approved requirements, or are executed with defective materials, poor workmanship or inappropriate methods, must be corrected or replaced by the Contractor at its own cost.

The Contractor is responsible for proper documentation of the works, including records of hidden works, material certificates, test reports, commissioning records, as-built documentation, warranties, operation and maintenance instructions, ESMP implementation records and any other documentation required for acceptance/reception of the works under the Contract and applicable Moldovan construction regulations.

The works will be considered complete only after all construction, installation, finishing, testing, commissioning, cleaning, reinstatement and handover requirements have been fulfilled, all identified defects and non-conformities have been corrected, and the required technical and quality documentation has been submitted and accepted by UNICEF and/or the Engineer.

## **2. Site information**

The works will be implemented within the premises of Boris Dinga High School, located in Criuleni City, Republic of Moldova. The school is an operational educational institution, and the Contractor shall take into account the existing site conditions, access arrangements, school operating schedule, presence of children and staff, existing utilities, available working areas, storage limitations, and any other constraints that may affect the execution of the works.

The Contractor shall visit the site, verify existing conditions, assess access routes, available working space, storage areas, utility connections, safety risks and coordination requirements before submitting its offer. Any constraints related to site access, school operation, protection of children and staff, temporary circulation, noise, dust, delivery of materials, waste removal and protection of existing infrastructure shall be considered included in the Contractor's offer.

The exact location and extent of the works are defined in the approved design documentation, drawings, technical specifications and Bills of Quantities.

## **3. Scope of work**

The scope of works covers the execution of all construction, installation, adaptation, finishing, testing, commissioning, cleaning, reinstatement and handover activities required for the improvement of accessibility measures in the selected school.

The works shall be executed in accordance with the approved design documentation, drawings, technical specifications, Bills of Quantities, applicable Moldovan construction norms and standards, accessibility

requirements, UNICEF requirements applicable to the project, the approved ESMP, and instructions issued by UNICEF and/or the Engineer.

The works shall include all necessary labour, materials, equipment, tools, temporary works, transportation, protection measures, testing, quality control, cleaning and other related activities required for the complete and proper execution of the works, even where such auxiliary activities are not separately itemized in the Bills of Quantities but are technically necessary for full functionality and safe use of the adapted areas.

The works will include, but is not limited to, the following categories:

### 3.1 Adaptation of entrances, exits and access routes

Execution of all works required for the adaptation and improvement of the main entrance, emergency exits and related access routes, including, as described in the design documentation:

- construction, of ramps, refurbishment of stairs, landings and platforms;
- installation of handrails, guardrails, edge protection and other safety elements;
- improvement of access routes to ensure safe and barrier-free movement;
- repair, finishing and reinstatement of affected areas;
- implementation of visual and tactile warning or guidance elements where required by the design.

All entrances, exits and access routes included in the works shall be safe, functional, durable and accessible for persons with reduced mobility and other disabilities.

### 3.2 Internal circulation and navigation

Execution of all works required to improve accessible movement and orientation within the school building, including, as applicable:

- adjustment of internal circulation routes, corridors and maneuvering areas;
- modification or adjustment of door openings, thresholds, floor transitions and circulation clearances;
- improvement of floor surfaces to ensure safe and barrier-free movement in the intervention areas;
- installation of tactile, visual and contrast elements;
- installation of accessibility signage and orientation elements;
- removal or correction of obstacles within the approved intervention areas.

The completed circulation routes shall allow safe and accessible movement within the adapted areas of the school.

### 3.3 Visual, tactile and accessibility guidance measures

Installation of visual, tactile and signage elements indicated in the approved design documentation, including, as applicable:

- tactile paving;
- warning strips;
- contrast marking for stairs, ramps, doors, thresholds and circulation areas;
- directional and orientation elements;
- accessible signage for sanitary facilities, Resource Center, entrances, exits and other relevant spaces;
- other visual or tactile accessibility elements specified in the design documentation and Bills of Quantities.

All visual, tactile and signage elements shall be securely fixed, correctly positioned, durable, visible, safe for use in a school environment and suitable for long-term maintenance.

### 3.4 Adaptation of indoor WASH facilities

Where included in the approved design documentation, the Contractor will execute all works required for the adaptation of existing indoor WASH facilities to ensure accessibility, safety, hygiene and functionality for persons with reduced mobility and other disabilities.

The works may include, as applicable:

- reconfiguration or adaptation of existing sanitary rooms;
- installation or replacement of washbasins, taps, mirrors, support bars, hand dryers, dispensers and other accessories;
- installation of an emergency assistance/call button, including related visual and sound alarm elements, where specified in the design documentation;
- installation or adaptation of floor drains, valves, fittings and related sanitary equipment;
- any electrical works related to WASH facilities, including connections required for emergency call/alarm systems;
- testing of electrical installations and emergency call/alarm elements;
- cleaning and handover of fully functional sanitary spaces.

All adapted WASH facilities shall be accessible, hygienic, safe, easy to maintain and ready for use upon completion. Emergency call/alarm elements shall be properly installed, tested, clearly visible/audible, accessible to users, and handed over in functional condition.

### 3.5 Resource Center for Inclusive Education

Where included in the approved design documentation, the Contractor shall execute all works required for the renovation, adaptation and improvement of the Resource Center for Inclusive Education, with the purpose of creating a safe, inclusive, accessible, child-friendly and functional learning and support environment for children with special educational needs and disabilities.

The works must be carried out in accordance with the approved design documentation, drawings, technical specifications, Bills of Quantities, applicable Moldovan construction norms and standards, accessibility requirements, and instructions issued by UNICEF and/or the Engineer.

The scope of works may include, as applicable:

- demolition, dismantling and preparatory works required for the adaptation of the space;
- repair and preparation of walls, floors and ceilings;
- plastering, levelling, painting and other finishing works;
- installation or replacement of flooring suitable for safe and intensive use in an educational environment;
- installation or replacement of doors, frames, thresholds, handles and related hardware to ensure accessibility and safe use;
- adjustment of door openings, circulation clearances and internal layout elements, where required by the approved design;
- electrical works, including installation or replacement of lighting fixtures, sockets, switches and related accessories;
- heating and ventilation works required to ensure comfort and proper indoor conditions;
- installation of accessibility-related elements, including visual, tactile, contrast or signage elements, where specified in the design documentation;
- installation or adjustment of protective elements, fittings, accessories and other items required for the full functionality of the Resource Center;
- repair and reinstatement of affected adjacent areas;
- cleaning, testing, verification and handover of the completed space.

All materials and finishes used in the Resource Center shall be durable, safe, easy to clean and maintain, suitable for use by children, and appropriate for an educational environment. Finishes shall not create slipping, tripping, sharp-edge, obstruction, glare or other safety risks.

The completed Resource Center shall ensure safe and barrier-free access, adequate circulation space, proper lighting, ventilation, thermal comfort and a clean, welcoming and functional environment for educational, support and inclusive activities.

The Contractor shall ensure that all installed elements are securely fixed, correctly positioned, functional, accessible and suitable for long-term use. Any equipment, fittings or accessories installed under the Contract must be tested and handed over in working condition, together with the required certificates, warranties and operation or maintenance instructions, where applicable.

The Resource Center will be considered complete only after all works have been finalized, defects corrected, the area cleaned and reinstated, and the required technical and quality documentation submitted and accepted by UNICEF and/or the Engineer.

### 3.6 Demolition, Dismantling and Preparatory Works

Demolition and dismantling works must be carried out safely, carefully and in a controlled manner, avoiding damage to existing structures, utilities, finishes, furniture, equipment and school property not included in the works.

The Contractor is responsible for protecting adjacent areas and ensuring safe separation of work zones from areas used by children, staff and visitors.

All dismantled materials, debris and construction waste must be removed from the site in accordance with applicable legal requirements and the approved ESMP.

Reusable or salvaged materials, if any, are to be handed over to the school administration or managed as instructed by UNICEF and/or the Engineer.

### 3.7 Civil, structural and architectural works

The Contractor shall execute all civil, structural and architectural works required for the proper implementation of the accessibility interventions in accordance with the approved design documentation, drawings, technical specifications, Bills of Quantities, applicable national construction norms and standards, and instructions issued by UNICEF and/or the Engineer.

The scope of works includes, but is not limited to, the following:

- demolition, dismantling and removal of existing elements affected by the works, including floors, wall finishes, doors, thresholds, sanitary partitions, fixtures, damaged elements and other components indicated in the design documentation;
- execution of preparatory works, including protection of adjacent areas, verification of existing levels and dimensions, surface preparation, cleaning of substrates and removal of unsuitable materials;
- construction, rehabilitation or adjustment of ramps, stairs, landings, platforms, access routes and related elements required to ensure accessible and safe movement;
- execution of masonry, partitioning, plastering, screed, floor levelling and surface correction works required for the adaptation of the intervention areas;
- execution of concrete, reinforced concrete, anchoring, fixing, reinforcement or local structural adjustment works, where specified in the approved design documentation;
- adjustment of door openings, thresholds, clear widths, wall openings and other architectural elements required to ensure accessible circulation and compliance with the approved accessibility solutions;
- installation or replacement of doors, door frames, hardware, protective plates, handles and other related components, where specified in the design documentation;
- execution of floor, wall and ceiling finishing works, including waterproofing, tiling, painting, suspended ceiling works or other finishes required under the approved documentation;
- installation of handrails, guardrails, support elements, edge protection, protective profiles and other safety-related architectural elements;
- repair and reinstatement of all surfaces, finishes and elements affected by the works, ensuring proper connection between new and existing finishes;
- execution of all ancillary works required to achieve complete, safe, durable and functional construction results.

All civil, structural and architectural works shall be executed with proper attention to safety, durability, accessibility, maintainability and suitability for use in an educational environment.

Finished surfaces shall be even, stable, durable, easy to clean and free from defects. Floors, ramps, thresholds and circulation areas shall not create slipping, tripping, obstruction or injury risks.

All ramps, stairs, landings, platforms, handrails, guardrails, door openings and circulation routes must be executed in accordance with the approved design documentation and applicable accessibility requirements. The Contractor shall pay particular attention to levels, slopes, clear widths, manoeuvring spaces, fixing details, surface finishes, visual contrast and safe transitions between different surfaces.

Any intervention affecting structural elements, load-bearing components, fire safety elements, evacuation routes or regulated technical systems must be carried out strictly in accordance with the approved design documentation and applicable Moldovan regulations. The Contractor is not permitted to perform such interventions based on assumptions or verbal instructions.

Before covering, closing or finishing any works that require inspection, including embedded elements, reinforcement, anchoring, waterproofing, structural connections or hidden works, the Contractor shall notify UNICEF and/or the Engineer and obtain the required inspection or approval.

Any defective, unsafe, non-compliant or poor-quality civil, structural or architectural works shall be corrected, removed or replaced by the Contractor at its own cost.

### 3.8 Mechanical, electrical and plumbing works

The Contractor will execute all mechanical, electrical and plumbing works required by the approved design documentation, drawings, technical specifications and Bills of Quantities, ensuring full coordination with the architectural, civil, structural, finishing and accessibility works.

All MEP works shall be carried out by qualified personnel and, where required by Moldovan legislation, by authorized or certified specialists. The works must comply with applicable Moldovan construction norms,

technical standards, safety requirements, manufacturer's instructions and instructions issued by UNICEF and/or the Engineer.

The MEP works include, as applicable, but are not limited to:

- installation, replacement, relocation or adaptation of water supply systems serving the adapted WASH facilities and other intervention areas;
- installation, replacement, relocation or adaptation of sewerage systems, including pipes, floor drains, traps, valves, fittings, inspection points and related accessories;
- connection of sanitary equipment, including accessible toilet bowls, washbasins, taps, support accessories and other sanitary fixtures specified in the design documentation;
- installation, replacement or adjustment of heating elements, pipes, valves, radiators or other heating-related components affected by the works;
- installation, replacement or adjustment of ventilation systems, including ducts, fans, grilles, vents and related elements required for WASH spaces and other adapted areas;
- installation, replacement, relocation or adjustment of electrical installations, including wiring, conduits, distribution elements, sockets, switches, lighting fixtures, emergency or safety lighting where specified, grounding and protection elements;
- installation of electrical supply and connections for hand dryers, lighting fixtures, ventilation equipment and other electrical equipment specified in the design documentation;
- cutting, chasing, drilling, fixing, sealing and reinstatement works required for the proper installation of MEP systems;
- testing, commissioning and functional verification of all installed or modified MEP systems.

The Contractor shall ensure that all MEP installations are properly coordinated with the final layout of accessible spaces. Pipes, cables, equipment, fixtures, grilles, switches, sockets and other MEP elements must be positioned so that they do not obstruct accessible circulation routes, reduce required clear widths, create tripping hazards, interfere with maneuvering spaces, or limit the safe and independent use of adapted areas by persons with reduced mobility and other disabilities.

Electrical switches, sockets, sanitary fittings, taps, hand dryers, mirrors, support accessories and other user-operated elements must be installed at the heights and positions indicated in the approved design documentation and in accordance with applicable accessibility requirements.

All penetrations through walls, floors, ceilings or other building elements shall be properly sealed, finished and reinstated. Where penetrations affect fire safety, acoustic separation, waterproofing or structural elements, the Contractor will apply appropriate technical solutions in accordance with the approved design documentation and applicable regulations.

The Contractor shall protect existing MEP systems during the execution of works. Any temporary disconnection, relocation, shutdown or intervention on existing utilities will be coordinated in advance with the Engineer and the school administration. The Contractor must avoid unnecessary disruption to the school's operation and shall restore affected systems as soon as technically possible.

Before covering or closing any hidden MEP works, the Contractor will notify UNICEF and/or the Engineer for inspection. Hidden works shall not be covered without prior inspection and acceptance. Works covered without required inspection may be subject to reopening, inspection and reinstatement at the Contractor's own cost.

The Contractor will perform all inspections, tests and commissioning activities required for the proper verification of the installed or modified MEP systems, including, as applicable, pressure tests, leakage tests, flushing, functional checks, electrical safety checks, insulation resistance tests, grounding/earthing checks, ventilation performance checks and any other tests required by applicable standards, manufacturer's instructions, the approved design documentation or the Engineer. These activities shall be considered included in the Contractor's obligations, even where they are not separately itemized in the Bills of Quantities. All systems must be fully operational, safe, compliant and ready for use before handover.

The Contractor shall submit all required MEP documentation, including certificates of quality and conformity, technical data sheets, test reports, commissioning records, hidden works records, warranties, operation and maintenance instructions, and as-built information for installed or modified systems.

Any defective installation, leakage, malfunction, unsafe connection, non-compliant positioning, poor workmanship or damage caused to existing systems shall be corrected by the Contractor at its own cost, to the satisfaction of UNICEF and/or the Engineer.

### 3.9 Installation of equipment, accessories and fittings

The Contractor shall supply, install, fix, connect, adjust, test and hand over all equipment, accessories and fittings specified in the approved design documentation, drawings, technical specifications and Bills of Quantities.

The equipment, accessories and fittings may include, but not be limited to:

- sanitary equipment, including accessible toilet bowls, washbasins, taps, flushing systems, valves, traps, drains and related fittings;
- accessibility accessories, including support bars, grab rails, handrails, guardrails, edge protection elements and other safety components;
- mirrors, shelves, soap dispensers, paper towel dispensers, hand dryers, waste bins and other sanitary room accessories;
- doors, door hardware, handles, locks, closers, kick plates and other fittings required for accessible use;
- lighting fixtures, switches, sockets, ventilation grilles, exhaust fans and related electrical or ventilation accessories;
- tactile, visual and contrast elements, including tactile indicators, warning strips, contrast marking and orientation elements;
- accessibility signage, room identification signage, sanitary facility signage, direction indicators and other information elements;
- any other equipment, accessories or fittings required for the full functionality, safety and accessibility of the adapted spaces.

All equipment, accessories and fittings shall be new, unused, durable, safe, fit for purpose, suitable for use in an educational institution, and compliant with the approved technical specifications, manufacturer's instructions and applicable standards.

The Contractor shall ensure that all installed items are correctly positioned, securely fixed, stable, functional, accessible and safe for use by children, school staff, visitors, persons with reduced mobility and persons with other disabilities.

Particular attention should be given to the correct height, reach distance, clearance, opening direction, manoeuvring space and ease of operation of all equipment and accessories intended for accessible use.

All fixings, anchors, supports and connection elements must be appropriate for the type of wall, floor, ceiling or structural element to which they are attached and shall ensure safe and durable use. Improvised, unstable or temporary fixing solutions will not be accepted.

Where equipment requires connection to water supply, sewerage, ventilation, heating or electrical systems, the Contractor is responsible for ensuring proper coordination with the relevant works, safe installation, testing and full functionality before handover.

The Contractor must verify the operation of all installed equipment and accessories before acceptance, including opening/closing, stability, fixation, water tightness, drainage, electrical safety, ventilation performance and general usability, as applicable.

Any equipment, accessory or fitting found to be defective, improperly installed, unstable, unsafe, inaccessible, damaged or inconsistent with the approved documentation must be corrected, replaced or reinstalled by the Contractor at its own cost.

The Contractor is required to submit all relevant technical data sheets, quality certificates, conformity declarations, warranties, installation instructions and operation/maintenance instructions for the installed equipment and accessories, where applicable.

Upon completion, all equipment, accessories and fittings must be cleaned, adjusted, tested and handed over in a safe, functional, accessible and ready-for-use condition.

### 3.10 Protection, reinstatement and cleaning

The Contractor is responsible for protecting all existing school infrastructure, utilities, finishes, equipment, furniture, access routes and surrounding areas affected by or adjacent to the works.

The Contractor must not access, occupy or use any spaces outside the approved scope of intervention without prior authorization from UNICEF and/or the Engineer and the school administration.

Any damage caused by the Contractor, its personnel, subcontractors, suppliers or equipment to existing infrastructure, completed works, utilities, finishes, furniture, equipment or surrounding areas must be repaired, replaced or reinstated by the Contractor at its own cost, to the satisfaction of UNICEF and/or the Engineer and, where relevant, the school administration.

The Contractor is responsible for maintaining good housekeeping throughout the implementation period. Construction waste, packaging, debris, dust, unused materials and temporary items must not accumulate in work areas, circulation routes, school premises or surrounding areas. Waste must be collected, stored and removed from the site in accordance with the approved ESMP, applicable legal requirements and instructions issued by UNICEF and/or the Engineer.

Upon completion of the works, the Contractor must remove all construction waste, unused materials, temporary facilities, tools and equipment from the site. All affected areas must be cleaned, repaired and reinstated to a safe, functional and acceptable condition.

#### **3.11 Testing, commissioning and handover**

The Contractor is required to perform all inspections, measurements, testing, commissioning and functional checks before handover.

The Contractor is responsible for ensuring that all completed works, installed systems, equipment, accessibility elements and adapted spaces are safe, functional, accessible and ready for use.

The Contractor must submit all required technical and quality documentation, including as-built documentation, material certificates, conformity declarations, hidden works records, test reports, commissioning records, warranties, operation and maintenance instructions, ESMP records and any other documents required by UNICEF, the Contract and applicable Moldovan regulations.

The works will be considered complete only after all works have been executed, tested, cleaned, documented and accepted by UNICEF and/or the Engineer.

The exact scope, quantities, dimensions, locations, technical parameters and execution requirements are governed by the approved design documentation, drawings, technical specifications and Bills of Quantities.

#### **4. Compliance with Design, Standards and Approvals**

All works shall be executed in full compliance with:

- approved technical design documentation;
- verified Bills of Quantities;
- applicable national construction norms and standards;
- applicable accessibility norms and requirements;
- environmental, social, health and safety requirements;
- manufacturer's technical instructions and installation manuals;
- instructions issued by the Engineer during implementation.

The Contractor shall ensure that all works are executed by qualified personnel and, where legally required, by licensed or authorized specialists.

Any proposed substitution of materials, equipment, products, technical solutions or execution methods shall be submitted in advance to the Engineer/Supervisor for review and approval. No substitution shall reduce the quality, durability, safety, accessibility, performance or functionality of the works.

##### **Standards and regulations**

The Contractor shall adhere to all applicable rules, regulations, and orders issued by local authorities governing the site location. The Contractor is responsible for cooperating fully with these authorities and promptly providing any information they may require. It is the Contractor's duty to stay informed about and comply with all relevant rules, regulations, and orders.

Construction and Material standards shall be based on national standards and international norms appropriate to Moldova. In the event of disagreement between Moldova laws and codes and these Specifications, the most restrictive code shall prevail. Such situations shall be discussed with the Beneficiary and Engineer as his representative on site, prior to proceeding with the work in question.

General standard specifications and codes from the authorities listed below are referenced using their respective abbreviations. All materials and workmanship shall comply with the requirements of these standards:

- **EN:** European Standards

- **SM:** Moldavan Standards
- **ISO:** International Organization for Standardization
- **GOST:** Interstate Standards

Whenever a specification from one of the above authorities is cited, it is understood that the latest revision of that specification shall apply.

## **5. Site Verification and Setting Out**

Before commencement of works, the Contractor is responsible for carrying out a detailed verification of the existing site conditions in all areas affected by the works. This verification must cover, as applicable, dimensions, levels, slopes, floor heights, door openings, corridors, access routes, existing ramps or stairs, sanitary rooms, utility connections, finishes, structural elements, existing equipment, furniture and any other conditions that may influence the execution of the works.

The Contractor must verify the correspondence between the approved design documentation, drawings, technical specifications, Bills of Quantities and the actual site conditions. Particular attention is required for dimensions and levels related to accessibility works, including ramp gradients, landings, thresholds, clear widths, manoeuvring spaces, sanitary equipment positioning, handrail heights, tactile and visual elements, signage locations and accessible circulation routes.

Any discrepancies, inconsistencies, omissions, hidden obstacles, utility conflicts, dimensional constraints or other site conditions that may affect the quality, safety, accessibility, functionality, cost or timeframe of the works must be identified and reported in writing to UNICEF and/or the Engineer/Supervisor before execution of the affected works.

Works must not proceed in areas where discrepancies or uncertainties have been identified until written clarification, instruction or approval is issued by UNICEF and/or the Engineer/Supervisor. Where the issue affects the approved technical solution, accessibility compliance, structural safety, fire safety, public health requirements or other regulated aspects, the Designer and/or relevant specialists must be consulted as required.

The Contractor is responsible for the correct setting out of all works based on the approved design documentation and verified site conditions. This includes the accurate marking and positioning of walls, partitions, openings, ramps, stairs, landings, handrails, guardrails, sanitary equipment, support bars, accessories, tactile elements, signage, MEP installations, fixtures and all other elements included in the works. All levels, slopes, alignments, dimensions and clearances must be checked before execution and maintained in compliance during implementation. Special attention must be paid to accessibility-related parameters, including accessible route width, ramp gradient, landing dimensions, threshold heights, door clear openings, turning and manoeuvring areas, positioning of sanitary fixtures, support bars, mirrors, switches, signage and tactile guidance elements.

The Contractor must use appropriate measuring instruments, tools and methods for site verification and setting out. Measurements and setting-out activities must be performed by competent personnel and checked before commencement of the related works.

Existing benchmarks, reference points, levels and execution markings must be protected. If such reference points are missing, unclear or affected by the works, suitable temporary reference points must be established in coordination with UNICEF and/or the Engineer/Supervisor.

Any errors resulting from incorrect measurements, inaccurate setting out, failure to verify site conditions or execution based on unconfirmed assumptions must be corrected by the Contractor at its own cost. Such corrections do not entitle the Contractor to additional payment or extension of time, unless otherwise determined by UNICEF in accordance with the Contract.

Significant site verification findings must be recorded and communicated to UNICEF and/or the Engineer/Supervisor, particularly where they may require design clarification, adjustment of quantities, modification of execution sequence or coordination with the school administration.

Site verification and setting out are essential preconditions for proper execution of the works. They do not relieve the Contractor of responsibility to execute the works in full compliance with the approved design documentation, applicable standards, accessibility requirements and instructions issued by UNICEF and/or the Engineer/Supervisor.

## **6. Work Plan, Method Statement and Pre-Construction Submissions**

Before commencement of works, the Contractor is required to submit a detailed Work Plan for review and acceptance by UNICEF and/or the Engineer/Supervisor. The Work Plan must describe how the works will be organized, sequenced, implemented, controlled and completed within the contractual timeframe.

The Work Plan is to be consistent with the approved design documentation, drawings, technical specifications, Bills of Quantities, verified site conditions, ESMP requirements, school operating conditions and instructions issued by UNICEF and/or the Engineer/Supervisor.

The Work Plan must include, as a minimum:

- proposed sequence of works and implementation schedule;
- mobilization arrangements;
- key site personnel and workforce allocation;
- equipment, tools and temporary facilities to be used;
- material procurement and delivery schedule;
- site organization arrangements, including work areas, storage areas, access routes and waste collection points;
- proposed working hours and coordination arrangements with the school administration;
- safety measures for works in an operating school environment;
- measures for protection of existing infrastructure, utilities, finishes, furniture, equipment and adjacent areas;
- quality control arrangements, including inspections, testing and verification of hidden works;
- environmental, social, health and safety measures in line with the approved ESMP;
- key milestones and expected completion dates for major work categories;
- reporting arrangements and coordination with UNICEF and/or the Engineer/Supervisor.

Method Statements for the main categories of works may also be requested by UNICEF and/or the Engineer. These may cover, as applicable, demolition and dismantling works, ramp construction or adaptation, WASH facility adaptation, MEP works, installation of accessibility elements, finishing works, testing and commissioning.

Works may commence only after the required pre-construction submissions, including the Work Plan, Method Statement, Site Organization Plan and site-specific ESMP, have been submitted and accepted by UNICEF and/or the Engineer/Supervisor.

Acceptance of the Work Plan, Method Statements or other pre-construction submissions does not relieve the Contractor of responsibility for proper, safe, timely and compliant execution of the works.

The Contractor remains responsible for coordination of activities, quality of execution, compliance with the approved design documentation, maintenance of safe site conditions and correction of any non-compliance identified during implementation.

The Work Plan must be updated whenever required due to changes in site conditions, implementation sequence, school operation, safety requirements, delays, approved changes or instructions issued by UNICEF and/or the Engineer/Supervisor.

### **Project information signboard**

The Contractor shall install an informational signboard within the plot boundaries. The model, dimensions and text of the board will be as per requirement indicated in the NCM A.08.01:2016. These boards shall remain in place and be properly maintained throughout the duration of the works. The Contractor is responsible for removing the sign/notice boards 28 days after the issuance of the substantial completion certificate.

## **7. Materials, Equipment and Workmanship**

The Contractor is responsible for all materials, equipment and workmanship required to complete the scope of work. The purpose for these specifications is to provide the minimum standards of the Contract.

### **7.1 Materials and Products**

All materials, products, fixtures, fittings, accessories and components incorporated into the works must be new, unused, durable, safe, fit for purpose and compliant with the approved design documentation, technical

specifications, Bills of Quantities, applicable Moldovan construction norms and standards, manufacturer's requirements, and UNICEF quality expectations applicable to the project.

Materials and products must be suitable for use in an educational environment and provide adequate durability, safety, hygiene, accessibility, ease of maintenance and resistance to normal wear and tear. Particular attention must be given to materials used for floors, ramps, sanitary facilities, handrails, guardrails, tactile elements, signage, doors, wall finishes and other areas subject to intensive use by children, staff and visitors.

All materials and products must correspond to the technical parameters specified in the approved documentation, including dimensions, strength, surface finish, slip resistance, moisture resistance, fire performance, hygiene requirements, colour, contrast, fixing method, durability and other relevant characteristics, as applicable.

Before installation, the Contractor is required to submit for review and approval, upon request by UNICEF and/or the Engineer, relevant supporting documents, including but not limited to:

- technical data sheets;
- quality certificates;
- conformity declarations;
- test reports;
- fire safety certificates, where applicable;
- hygiene or sanitary approvals, where applicable;
- manufacturer's installation instructions;
- warranty documents;
- samples or catalogues, where requested.

No material or product may be incorporated into the works unless it complies with the approved technical specifications, applicable standards and instructions issued by UNICEF and/or the Engineer/Supervisor.

Any proposed substitution of materials or products must be submitted in advance for written approval. The proposed substitute must be equal or superior in terms of quality, durability, safety, accessibility, performance, appearance, maintenance and compatibility with the approved design. No substitution may be implemented without prior approval from UNICEF and/or the Engineer and, where required, from the Designer or relevant authorities.

Materials must be transported, unloaded, stored and handled in accordance with manufacturer's instructions and good construction practice. The Contractor is responsible for protecting all materials from moisture, dust, contamination, deformation, mechanical damage, theft, fire risk and deterioration. Damaged, expired, contaminated, non-compliant or improperly stored materials must not be used and must be removed from the site if instructed by UNICEF and/or the Engineer/Supervisor.

## 7.2 Equipment, Tools and Installation Resources

The Contractor is responsible for providing all equipment, machinery, tools, instruments, temporary works, access means, lifting devices, protection systems and other resources required for the safe, proper and timely execution of the works.

All equipment and tools used on site must be suitable for the type of works performed, maintained in good working condition, operated safely and used only by competent personnel. Equipment must not create risks for children, school staff, visitors, workers, existing infrastructure or completed works.

The Contractor is required to ensure that all measuring, testing and setting-out instruments used for the works are appropriate, accurate and suitable for verifying levels, slopes, dimensions, clear widths, ramp gradients, handrail heights, sanitary equipment positioning, tactile elements, signage and other accessibility-related parameters.

Equipment, tools and temporary facilities must be organized and stored only in approved areas. The Contractor is not permitted to store equipment, tools or materials in corridors, classrooms, evacuation routes, sanitary facilities, school yards or other spaces outside the approved work and storage areas without prior authorization.

All equipment and tools must be removed from the site upon completion of the relevant works or when no longer required. Unsafe, defective, leaking, noisy, polluting or inappropriate equipment may be rejected by UNICEF and/or the Engineer and must be removed or replaced by the Contractor at its own cost.

The Contractor is responsible for ensuring that the use of equipment does not damage existing floors, walls, doors, utilities, landscaping, access roads, pavements or any other school property. Any damage caused by equipment, tools, transportation or handling operations must be repaired by the Contractor at its own cost.

### 7.3 Workmanship and Execution Quality

All works shall be executed with good workmanship, in a professional and technically correct manner, in accordance with the approved design documentation, technical specifications, Bills of Quantities, applicable Moldovan construction norms and standards, manufacturer's instructions, and instructions issued by UNICEF and/or the Engineer/Supervisor.

The Contractor is responsible to ensure that works are performed by qualified and experienced personnel appropriate for each trade, including civil works, finishing works, sanitary works, plumbing, sewerage, heating, ventilation, electrical works, installation of accessibility elements, signage, handrails, support bars and other specialized works. Works requiring certified, authorized or licensed specialists under Moldovan legislation shall be performed only by such specialists.

The Contractor will coordinate all work sequences to ensure proper integration of civil, architectural, finishing, WASH, mechanical, electrical, plumbing and accessibility components. The Contractor shall avoid conflicts between installations, finishes, openings, equipment, accessories, handrails, signage, tactile elements and circulation routes.

Executed works shall be straight, level, plumb, properly aligned, securely fixed, stable, smooth where required, cleanly finished and suitable for safe use. Surfaces shall be free from cracks, sharp edges, loose elements, stains, excessive gaps, uneven transitions, protrusions, slipping hazards, tripping hazards and other defects that may affect safety, accessibility, durability or appearance.

Particular attention shall be given to workmanship for accessibility-related elements, including:

- correct ramp slopes, levels and landings;
- safe and continuous handrails;
- proper fixing of guardrails and support bars;
- clear door openings and circulation widths;
- correct positioning of sanitary equipment and accessories;
- smooth and safe floor transitions;
- durable and visible contrast markings;
- secure fixing of tactile and signage elements;
- elimination of obstacles on accessible routes.

Works shall not be covered, closed or concealed before required inspection by UNICEF and/or the Engineer. This applies in particular to hidden works, embedded elements, waterproofing, anchoring, fixing systems, MEP installations, pipework, electrical wiring, structural connections and other critical components.

Any work executed with poor workmanship, defective materials, incorrect dimensions, improper alignment, insufficient fixing, non-compliant slopes, unsafe details or deviation from the approved documentation shall be corrected, replaced or re-executed by the Contractor at its own cost.

Inspection, comments or approval by UNICEF and/or the Engineer shall not relieve the Contractor of responsibility for the quality, safety, durability, accessibility and compliance of the executed works.

The Contractor shall maintain the quality of completed works until handover. Completed works must be protected against damage, contamination, moisture, dust, impact, improper use and deterioration. Any defects or damages occurring before acceptance shall be corrected by the Contractor at its own cost.

### 7.4 Quality

All work must be of the highest quality and performed in strict accordance with the design specifications and applicable codes and regulations. In addition, the manufacturer's instructions for all materials must be strictly followed.

In the event of conflicts between the specifications, drawings and field conditions, the Engineering Company must be consulted. No changes to the minimum requirements are permitted without review and approval by the Engineer. If the Contractor considers that changes to the drawings or specifications are necessary, the details of such changes must be submitted to the Engineer for review as soon as practicable, allowing sufficient time for assessment.

The Contractor is responsible for correcting, at its own cost, any defects, failures or non-conformities identified during the six-month Defects Liability Period, starting from the date of Substantial Completion / completion of

the works, as defined in the Contract. This obligation covers all works, materials, equipment and accessories supplied and installed by the Contractor and is secured by the Defects Liability Guarantee specified in the Contract. Manufacturer warranties for materials and equipment are to be submitted as part of the handover documentation, where applicable..

## **8. Testing requirements**

### **General**

Testing upon completion of the construction must be conducted prior to commissioning and trial operations. The Contractor is required to provide all necessary labor, materials, and equipment to carry out these tests. This includes arranging for water as needed for flushing and testing the plumbing systems, covering any charges from the local water utility, and providing all temporary piping, storage, and/or transportation of the water.

All systems and equipment, including HVAC, electrical, plumbing, fire safety, and structural components, shall be tested in accordance with relevant standards. Upon completion of all testing and inspections, the results must be submitted to the Engineer for review. Once the Engineer has confirmed that the testing meets the required standards and all test certificates, data, and reports have been verified, the Engineer will issue written approval. The building and its systems shall not be turned over to the Beneficiary until this approval has been received.

The Contractor must provide the Engineer with copies of all test certificates, data sheets, and related documentation within two weeks of conducting witness tests. If witness tests are not required, the relevant documentation must be submitted within four weeks of the decision to waive the witness tests.

The Contractor is fully responsible for the proper operation of all building systems during testing and shall be liable for any damages incurred during this process. This responsibility includes ensuring the safety and functionality of the systems and addressing any issues that arise during the testing phase.

If any tests are not specifically mentioned as a separate item in the Bill of Quantities (BoQ), the expenses related to these tests should be considered included in the price of the equipment. The Contractor shall bear the expenses for such tests, and they should not be treated as an additional cost. This ensures that all necessary testing and training costs are accounted for without additional charges beyond the quoted price for the equipment.

### **Material Approval**

The material must be approved by the Engineer as required. Materials and equipment that typically receive approval labels from regulatory agencies or other authorities must display such labels.

### **Tests during Installation**

During installation, the Contractor shall conduct regular tests to ensure that the installation meets the Contract's requirements.

Testing must be carried out in the presence of the Engineer. The Engineer reserves the right to initiate any testing procedures deemed necessary to operate control devices, perform checks, and ensure protection, as frequently as required.

Minutes of each test must be recorded and signed, with any faults and/or defects documented.

The Contractor shall provide all necessary facilities for testing, and the Engineer shall have access to any instruments or testing apparatus deemed necessary for conducting the tests.

### **Commissioning Testing**

The commissioning shall be conducted to ensure that all results obtained are verifiable through at least two independent reference sources wherever possible.

Upon completion of each phase of the work, the Contractor shall perform full-scale site tests in the presence of the Engineer on all sections of the project. The following tests shall be conducted:

- Equipment Testing
- Protection Systems Testing
- Automatic Function Testing
- Efficiency Testing

The Contractor is responsible for providing skilled labor, supervision, apparatus, and instruments necessary to carry out these tests efficiently, with all associated costs. The accuracy of the testing instruments must be demonstrated if required.

Each completed system within the building shall be tested as an integrated whole under operating conditions to verify that each component functions correctly with the rest of the system.

The Contractor must perform all necessary calibrations and tests to ensure that the installation, including all equipment, materials, and components, is in satisfactory physical condition and performs as intended. Any adjustments required to achieve the intended operation of the system shall be made at no additional cost.

For automation systems, functionalities and various parameters shall be tested both in the workshop using an I/O simulator (if applicable) and on-site, in accordance with the automation and control philosophy.

Before requesting the final inspection, the Contractor must submit completed test data sheets to the Engineer. These sheets should be filled out following the adjustment of all protective devices.

The Contractor shall provide all necessary skilled personnel for the commissioning of the systems, using the Operation and Maintenance (O&M) manuals to demonstrate that the installation meets the specified design and performance criteria. The Contractor must ensure the availability of all necessary specialists and technical personnel for a period of fourteen days after successful commissioning to perform any required adjustments.

In case of faulty construction or faulty control devices, the Contractor shall remedy the defects or replace equipment whose rehabilitation would be impossible or would not guarantee normal operation. Devices resolved or repaired will be retested.

## **9. Accessibility Requirements**

### **9.1 General Accessibility Requirements**

Accessibility is the main objective of the works. The Contractor is required to execute all accessibility-related works strictly in accordance with the approved design documentation, drawings, technical specifications and Bills of Quantities.

The Contractor must not redesign, simplify, relocate, omit or replace any approved accessibility measure without prior written approval from UNICEF and/or the Engineer. Where a proposed change affects the approved technical solution, accessibility compliance, safety or functionality, the Designer's approval and, where applicable, other required approvals must also be obtained.

All accessibility elements must be constructed, installed and finished as permanent, safe, durable and functional components of the school infrastructure. Temporary, removable, improvised or lower-standard solutions are not accepted as substitutes for the accessibility measures included in the approved design documentation.

During execution, the Contractor is required to pay particular attention to the accurate implementation of accessibility-related dimensions, levels, slopes, clear widths, heights, positions and fixing details indicated in the approved design documentation. This includes, as applicable, ramps, stairs, landings, handrails, guardrails, door openings, thresholds, circulation routes, sanitary equipment, support bars, mirrors, accessories, tactile elements, visual contrast elements and accessibility signage.

The Contractor must verify all accessibility-related measurements and positions on site before execution and immediately notify UNICEF and/or the Engineer of any discrepancy between the approved documentation and the actual site conditions. The affected works must not proceed until written clarification or instruction is issued. All accessible routes and adapted areas must be executed without obstacles, unsafe level differences, excessive thresholds, slipping or tripping risks, protruding elements, narrow passages or improperly positioned equipment that may affect safe and independent use by persons with reduced mobility and other disabilities.

All ramps, floors and circulation surfaces included in the accessibility interventions must be stable, even, safe for movement, properly finished, easy to maintain and suitable for use in a school environment. Handrails, guardrails, support bars and other fixed elements must be securely anchored, stable, correctly positioned and free from sharp edges or unsafe details.

In adapted WASH facilities, the Contractor is required to ensure that sanitary equipment, support bars, mirrors, taps, accessories and other fittings are installed in the exact positions and heights indicated in the approved design documentation, unless otherwise instructed in writing by UNICEF and/or the Engineer.

Visual, tactile and signage elements must be installed in the locations, dimensions, colours, contrast and fixing methods indicated in the approved design documentation. They must be durable, visible, securely fixed, safe for users and suitable for long-term maintenance.

The Contractor is responsible for coordinating accessibility works with all related civil, architectural, finishing, sanitary, plumbing, heating, ventilation and electrical works to ensure that installed systems, equipment or finishes do not reduce accessibility, obstruct circulation routes or compromise the approved design solution.

Before requesting inspection or handover, the Contractor is required to carry out an internal verification of all accessibility works and correct any non-compliance, defect, obstruction, unsafe detail or deviation from the approved documentation.

The works are not considered ready for acceptance if any approved accessibility measure is missing, incorrectly installed, unstable, unsafe, obstructed, non-functional or not executed in accordance with the approved design documentation and applicable accessibility requirements.

## 9.2 Technical Characteristics of Tactile and Visual Accessibility Elements

The accessibility elements must be executed in accordance with the approved layout drawings, technical notes, Bills of Quantities and applicable accessibility requirements. The design includes measures for both indoor and outdoor circulation and orientation, including tactile and visual marking elements, access routes, ramps and related interventions intended to support safe and independent movement within the school premises.

The Contractor is required to follow the approved positioning, direction and sequence of tactile routes and accessibility markings indicated in the design documentation. This includes corridor routes, transition points, changes of direction, access to relevant rooms, outdoor pedestrian routes, ramp areas, entrance areas and other spaces connected to the accessibility intervention.

Any adjustment to the position, direction, sequence, material, colour, fixing method or configuration of tactile or visual accessibility elements requires prior written approval from UNICEF and/or the Engineer and, where required, from the Designer.

### Indoor tactile marking elements

The indoor tactile marking system indicated in the design includes the following main elements:

- Tactile warning marking, type M-1: tactile marking with dimensions 400 x 400 mm, with configuration as indicated in the approved design documentation. These elements are placed at the end of guiding strips, at changes of direction, before obstacles or in other locations indicated in the drawings.
- Tactile guiding marking, type M-2: tactile marking with dimensions 150 x 600 mm, with configuration as indicated in the approved design documentation. These elements are formed by linear raised strips and are installed along the approved indoor guidance route.

The Contractor must verify all quantities, exact locations and final positioning of indoor tactile elements on site before ordering and installation. Quantities shown in the design documentation and Bills of Quantities are to be checked against actual site conditions, finished floor areas, door locations, circulation routes and any site constraints.

Indoor tactile elements must be suitable for interior use and compatible with the finished floor surface. Materials may include PVC, anti-slip rubber, textured stainless steel or other approved materials specified in the design documentation and accepted by UNICEF and/or the Engineer.

The tactile elements must be resistant to regular use, frequent cleaning and normal wear in a school environment. They must remain securely fixed, visible, stable and safe throughout use.

Indoor tactile elements are to be installed only on the finished floor surface, after completion and preparation of the respective floor areas. The installation surface must be clean, dry, level, stable, degreased and free from dust, loose particles, moisture or any other condition that may affect adhesion, fixing quality or durability. The colour of the tactile marking must provide clear chromatic contrast with the existing or newly finished floor surface, in accordance with the design notes and applicable accessibility requirements. The selected colour and finish must support visual identification and safe orientation.

The fixing method must be compatible with the tactile element material and the floor substrate. Adhesive, mechanical or other approved fixing methods must ensure durable attachment, without loose edges, unstable areas, sharp corners, excessive surface irregularities or tripping hazards.

Where the design notes indicate specific tactile relief height, thickness or dimensional requirements, these requirements must be followed strictly. If any inconsistency is identified between the drawings, technical notes, Bills of Quantities or product data sheets, the Contractor must request clarification from UNICEF and/or the Engineer before procurement or installation.

#### Outdoor tactile routes

Outdoor tactile routes must be executed in accordance with the approved site layout, external works drawings, technical notes and Bills of Quantities. The outdoor design indicates the use of concrete tactile paving elements for warning and guiding routes, including:

- Type L tactile concrete plates — guiding tactile paving: concrete tactile plates with dimensions 20 x 10 x 6 cm, used for outdoor tactile guiding routes and installed in the locations, direction and alignment indicated in the approved design documentation.
- Type B tactile concrete plates — warning tactile paving: concrete tactile plates with dimensions 20 x 10 x 6 cm, used for outdoor tactile warning areas, including transition points, access/ramp areas, changes of direction or other locations indicated in the approved design documentation.

The Contractor must verify the exact location, sequence, quantities and alignment of Type L and Type B tactile concrete plates against the approved drawings and Bills of Quantities before procurement and installation.

Outdoor tactile paving elements must be suitable for exterior conditions and intensive pedestrian use. They must be resistant to moisture, rain, snow, frost, temperature variations, UV exposure, cleaning operations and normal wear in a school environment.

The outdoor tactile route must be coordinated with the accessible pedestrian route, the projected ramp for persons with reduced mobility, external pavement, entrance area, thresholds and internal circulation route. The completed route must remain continuous, visible, stable, safe and unobstructed.

Where the design requires preparation of the existing external pavement, the Contractor must carry out cutting, dismantling or removal works in accordance with the approved drawings and Bills of Quantities. Such works, including cutting of asphalt or other existing pavement layers, must be performed carefully and in a controlled manner, avoiding damage to surrounding surfaces, underground utilities, green areas, access routes and other existing elements not included in the intervention.

Outdoor tactile paving must be installed on the substrate layers indicated in the approved design documentation. Where the design provides for a sand-cement bedding layer and concrete foundation, these layers must be executed with the specified thickness, composition, compaction and level control. Concrete foundation works must follow the approved grade, thickness and execution requirements indicated in the design documentation.

The final outdoor tactile route must be level, stable, properly aligned and securely integrated into the surrounding pavement. Transitions between tactile paving and adjacent pavement surfaces must be safe and free from excessive level differences, loose edges, gaps, rocking elements, sharp corners, water accumulation or tripping hazards.

Outdoor tactile elements must remain safe in wet or cold weather conditions. The installed elements must not create slipping risks, frost-related hazards, unstable surfaces or maintenance difficulties.

#### General installation and acceptance requirements

All tactile and visual markings, both indoor and outdoor, must provide clear visual contrast with the adjacent floor or pavement surface. Where the design indicates orange or other contrasting tactile elements, the final colour and finish must support visual identification and safe orientation.

The fixing method must be compatible with the tactile element material and the substrate. Adhesive, mechanical, embedded or other approved fixing methods must ensure durable attachment, without loose edges, unstable areas, sharp corners, excessive surface irregularities or tripping hazards.

The tactile route must remain continuous, logical and unobstructed after completion of all related works. Doors, thresholds, ramps, handrails, guardrails, signage, drainage elements, utility covers, pavement edges, furniture, equipment or other installed elements must not interrupt or obstruct the approved tactile guidance route.

Where tactile routes connect to ramps, stairs, landings, entrances, doorways or changes of direction, the Contractor must ensure accurate alignment and proper transition between tactile guiding and warning elements.

Construction waste resulting from tactile route works, including dismantled pavement, asphalt cutting residues, excavated material, packaging and debris, must be collected, transported and disposed of in accordance with the approved ESMP, applicable legal requirements and instructions issued by UNICEF and/or the Engineer. Before handover, the Contractor must verify that all indoor and outdoor tactile and visual accessibility elements are installed in the correct locations, securely fixed, clean, visible, durable, unobstructed and safe for use. Any missing, loose, damaged, incorrectly positioned or non-compliant tactile element must be corrected before acceptance.

### 9.3 Technical Characteristics of Ramps and Related Access Routes

The Contractor is required to execute all ramp-related works strictly in accordance with the approved design documentation, ramp layouts, sections, details, technical specifications and Bills of Quantities. The ramp solutions indicated in the design form part of the approved accessibility concept and must be implemented as permanent, safe and durable construction elements.

The approved design includes the following ramp interventions:

- Rm-1 — indoor ramp located in the gallery area;
- Rm-3 — indoor ramp located in the gallery area;
- Rm-2 — new outdoor ramp designed for the main entrance to the building;
- related landings, platforms, stairs, thresholds and transition areas;
- metal handrails, guardrails, balustrades and protection elements;
- tactile and visual warning/guidance elements connected to ramp access routes;
- demolition, dismantling, excavation, preparation, finishing and reinstatement works required for the execution of the ramps.

All dimensions, levels, gradients, landings, widths, connection points, handrail details, structural details and finishing solutions must follow the approved drawings. Before execution, the Contractor must verify the actual site levels and dimensions, especially where ramps connect to existing floors, entrance areas, gallery areas, tambour areas, stairs, doors and circulation routes.

The design indicates different existing and proposed levels, including areas marked at +0.200, +0.800 and -0.280. These levels must be carefully checked on site before starting ramp works. Any discrepancy between the designed levels and actual site conditions must be reported immediately to the Engineer before proceeding.

The ramps must be executed with the slopes indicated in the approved design documentation. The drawings indicate slopes of 8% and 10%, depending on the specific ramp location and configuration. These slopes must not be increased or modified on site without prior written approval from UNICEF and/or the Engineer.

Indoor ramps Rm-1 and Rm-3, located in the gallery area, must be executed in accordance with the approved gallery layout, ramp details and sections. Particular attention is required to the connection between the existing gallery floor levels, landings, thresholds, internal circulation routes and adjacent spaces. The final execution must provide smooth, safe and barrier-free movement within the gallery area.

The indoor ramp surfaces must be stable, even, non-slippery, properly finished, easy to maintain and suitable for intensive school use. Transitions between existing floors, ramps, landings and doors must be smooth and free from excessive thresholds, abrupt level changes, loose finishes or tripping hazards.

Outdoor ramp Rm-2, designed for the main entrance to the building, must be executed in accordance with the approved external ramp layout and related technical details. The Contractor must ensure correct connection between the outdoor access area, ramp, landing, entrance/tambour area and internal floor level. The ramp must not obstruct the main entrance, door operation, evacuation route or pedestrian circulation.

The outdoor ramp must be executed with materials and finishes suitable for exterior conditions, including exposure to rain, snow, frost, temperature variations and intensive use. The finished surface will prevent water accumulation, excessive slipperiness and premature deterioration. Any drainage, slope or water discharge issue identified during execution must be reported to UNICEF and/or the Engineer before completion of finishes.

Concrete works related to ramps, platforms, steps, foundations or support elements must be executed in accordance with the approved design documentation and applicable Moldovan construction standards. Concrete surfaces must be properly formed, compacted, cured, finished and protected until ready for subsequent works.

Metal handrails, guardrails, balustrades and support elements shall be fabricated and installed in accordance with the approved details, securely anchored, stable, correctly positioned and suitable for safe use by children, staff, visitors and persons with reduced mobility. Fixing systems must be compatible with the substrate and ensure long-term stability under normal use conditions.

Handrails, guardrails and balustrades must be free from sharp edges, unstable joints, rough welds, protruding elements, loose fixings or other unsafe details. Metal elements should be properly finished and protected against corrosion, especially for exterior or moisture-exposed areas.

Where the design requires drilling, anchoring or fixing into existing structures, the Contractor will verify the condition and suitability of the substrate before execution. Any weak, cracked, damaged or unsuitable substrate must be reported to UNICEF and/or the Engineer before fixing works are carried out.

Demolition and preparatory works related to ramp execution must be carried out carefully and in accordance with the approved demolition layout and specifications. These may include dismantling of existing doors, removal of existing concrete steps, dismantling of existing pavement, excavation for ramp foundations, removal of existing floor tiles, removal of mortar or floor layers, and other works indicated in the approved documentation.

Demolition, excavation, cutting, drilling and dismantling works must be performed in a controlled manner, avoiding damage to existing walls, columns, floors, foundations, utilities, doors, windows, finishes and other elements not included in the approved demolition scope. Elements that are not subject to demolition shall be protected throughout the works.

The Contractor is responsible for verifying the location of existing utilities, hidden installations and structural elements before demolition, excavation, cutting, drilling or anchoring works. Any utility conflict, hidden obstruction or unexpected site condition must be reported before proceeding.

Tactile and visual accessibility elements connected to ramp routes will be installed in accordance with the approved layout and design notes. Where the design indicates tactile marking M-1 and M-2 near ramps or access routes, these elements must be installed only after the final floor surface is completed and properly prepared. The installed elements must be securely fixed, visually contrasting, durable, safe underfoot and free from loose edges or tripping risks.

The Contractor is responsible for coordinating ramp works with door installation or adjustment, floor finishes, wall finishes, tactile markings, signage, lighting, drainage, external pavement, stair works and any related civil, architectural or MEP works. No installed element may reduce the effective width, obstruct the ramp, interfere with handrails, block landings or compromise the approved accessibility solution.

Before requesting inspection, the Contractor must carry out an internal verification of all ramp-related works, including:

- final ramp slopes;
- landing dimensions and levels;
- connection with existing floors, entrance areas and gallery areas;
- clear widths and unobstructed circulation;
- surface quality and slip resistance;
- stability and fixing of handrails, guardrails and balustrades;
- absence of sharp edges, protrusions or tripping risks;
- correct installation of tactile and visual elements;
- quality of concrete, metal and finishing works;
- proper reinstatement and cleaning of affected areas.

Any ramp, landing, handrail, guardrail, tactile element, threshold or transition area that is incorrectly executed, unstable, unsafe, obstructed, poorly finished or inconsistent with the approved design documentation must be corrected by the Contractor at its own cost.

Ramp works are not considered ready for acceptance until all related demolition, construction, finishing, protection, tactile marking, handrail/guardrail installation, cleaning, reinstatement, testing and documentation requirements have been completed and accepted by UNICEF and/or the Engineer.

#### 9.4 Adaptation of the Main Entrance and Emergency Exit

The works cover adaptation of the main entrance and emergency exit to ensure safe, accessible and functional use, including dismantling of existing external doors, preparation of openings, installation of new doors, adjustment of thresholds, connection with accessible routes, finishing of affected areas and cleaning after completion.

The new external doors must comply with the approved design documentation, door schedule, technical specifications and Bills of Quantities, as follows:

- Door type U-1: thermopan construction with 4 chambers, aluminium profile with thermal break, LowE/4S glass, dimensions 4000 x 3000 mm.
- Door type U-2: thermopan construction with 4 chambers, aluminium profile with thermal break, LowE/4S glass, dimensions 2600 x 2800 mm.

Before ordering and installation, the Contractor will verify the actual dimensions of the openings, finished floor levels, threshold conditions and connection with ramps, landings and circulation routes.

The adapted entrance and emergency exit must ensure safe and barrier-free movement, without excessive thresholds, obstacles or restrictions to accessibility. The emergency exit will preserve its evacuation function, while the main entrance must be coordinated with the accessible entrance route and ramp.

All affected surfaces around the openings must be repaired and finished. The doors must be properly fixed, aligned, sealed, functional and tested before acceptance.

#### **10. Resource Center for Inclusive Education**

The works for the Resource Center for Inclusive Education (CREI) are to be executed in accordance with the approved design documentation, demolition drawings, finishing schedules, floor build-up details, door schedule, ventilation drawings, technical notes and Bills of Quantities.

The intervention covers the internal adaptation and finishing of the spaces indicated in the approved drawings, including dismantling works, floor reconstruction, wall and ceiling finishes, internal door installation, heating and ventilation works, and coordination with the indoor electrical network, Fire Alarm System (SIP), Telecommunications and Signalization (TS), and accessibility measures.

The completed CREI spaces are expected to be safe, accessible, durable, functional, easy to maintain and suitable for inclusive education activities in a school environment.

##### 10.1 Dismantling and Preparatory Works

Dismantling and preparatory works are carried out in accordance with the approved demolition schedule and drawings. The works include, as applicable:

- removal of existing mortar screed, including all existing floor layers;
- dismantling of existing linoleum flooring;
- dismantling of existing internal doors and related frames;
- removal of existing internal wall plaster;
- dismantling of existing ventilation pipes and channels;
- dismantling of existing cast iron radiators;
- dismantling of existing lighting fixtures;
- removal of other elements indicated in the approved demolition schedule.

Before starting dismantling works, the Contractor verifies the location of existing utilities, heating pipes, electrical routes, ventilation elements and other installations. Any difference between the actual site conditions and the approved documentation is reported to UNICEF and/or the Engineer before proceeding.

Dismantling works are performed carefully and in a controlled manner, avoiding damage to structural elements, adjacent spaces, utilities, finishes and school property not included in the intervention. Elements that are not subject to dismantling are protected for the entire duration of the works.

Demolition debris and dismantled materials are collected, removed from the site and managed in accordance with the approved ESMP, applicable waste management requirements and instructions issued by UNICEF and/or the Engineer.

##### 10.2 Floor Works

Floor works in the CREI space are executed in accordance with the approved floor finishing schedule, floor build-up details, technical specifications and Bills of Quantities.

The works cover removal of existing floor layers, preparation of the existing reinforced concrete slab, execution of the new floor build-up, installation of the final laminate floor finish, plinths, thresholds and all related finishing details.

The approved floor build-up includes:

- existing reinforced concrete slab;
- vapour barrier layer — UTAFOL or equivalent approved material;
- thermal insulation layer — cement-bonded polystyrene or equivalent approved insulation;
- cement-sand levelling layer M150 with waterproofing admixture Ceresit or equivalent;
- self-levelling layer;
- laminate underlay;
- laminate floor finish — minimum 10 mm, wear resistance class not lower than Class 33 / AC5;
- laminate plinths and related finishing elements, installed along the room perimeter and coordinated with wall finishes and door frames.

Before starting new floor works, the Contractor verifies the condition of the existing slab, floor levels, moisture condition, cracks, uneven areas, weak substrate zones and interfaces with adjacent rooms, corridor areas and door thresholds. Any unsuitable substrate condition, excessive level difference or discrepancy with the approved documentation is reported to UNICEF and/or the Engineer before proceeding.

The existing floor base is prepared by removing loose materials, dust, debris, residues and unstable layers. Cracks, holes, uneven areas or damaged zones are repaired before installation of the new floor layers. The prepared substrate is expected to be stable, clean, dry and suitable for the application of the new floor system.

The vapour barrier layer is installed continuously over the prepared slab, with proper overlap, sealing and protection against damage during subsequent works.

The cement-bonded polystyrene thermal insulation layer is prepared as a homogeneous lightweight mix and poured over the prepared vapour barrier/substrate to the thickness indicated in the approved floor build-up. The layer is levelled, lightly compacted where required, protected from premature drying or damage, and allowed to cure before execution of the subsequent cement-sand levelling layer.

The cement-sand levelling layer is placed, compacted, levelled and finished to provide a stable and uniform base for the self-levelling layer and final floor finish. Adequate curing and protection are required before subsequent layers are applied.

The self-levelling layer is applied only after the levelling layer has reached suitable condition for further works. The surface is prepared and primed where required by the manufacturer's instructions. The completed self-levelling layer is to be smooth, even and suitable for installation of the laminate floor system.

Laminate flooring is installed over the approved underlay and in accordance with the manufacturer's instructions. Laminate boards are laid evenly, securely connected and properly aligned. The finished surface is expected to be stable, uniform, resistant to regular use and cleaning, and free from open joints, lifting edges, movement, scratches, stains or visible defects.

Expansion gaps and perimeter details are provided in accordance with the laminate flooring system and manufacturer's recommendations. These gaps are covered by laminate plinths or other approved finishing elements without restricting floor movement or creating unsafe details.

Laminate plinths are installed along the room perimeter, properly aligned, securely fixed and neatly joined at corners, door areas and intersections with other finishes. Plinth installation is coordinated with wall finishes, door frames and any fixed elements along the walls.

Final floor levels are coordinated with internal doors, corridor levels, thresholds, circulation routes and accessibility requirements. The completed floor is not to create excessive thresholds, abrupt level changes, uneven transitions, tripping hazards or obstacles to accessible movement.

Floor works are coordinated with heating, ventilation, indoor electrical network, Fire Alarm System (SIP), Telecommunications and Signalization (TS), and any other installations that may pass through, below, above or adjacent to the floor area. Hidden or embedded works affecting the floor build-up are completed and inspected before closing the floor layers.

Completed floor finishes are protected against moisture, dust, impact, scratches, staining and construction traffic until handover. Damaged, unstable, uneven, stained or poorly installed flooring elements are replaced or corrected before acceptance.

Before requesting inspection or handover, the Contractor verifies that the floor system is complete, stable, level, clean, safe, properly finished and consistent with the approved documentation. Floor works are not considered ready for acceptance if any layer, finish, plinth, threshold or transition detail is missing, unstable, poorly finished, unsafe or inconsistent with the approved floor build-up and accessibility requirements.

### 10.3 Wall Finishes

Wall finishing works in the CREI space are executed in accordance with the approved wall finishing schedule, technical specifications, drawings and Bills of Quantities.

The works cover preparation of existing wall surfaces, removal of unstable or damaged layers, application of new plaster and finishing layers, coordination with embedded or wall-mounted installations, painting, final cleaning and correction of all defects before handover.

The approved wall finishing system includes, as applicable:

- concrete-contact primer applied to the prepared substrate;
- cement-sand plaster on metal mesh;
- deep penetration primer;
- waterproofing/render layer reinforced with fiberglass mesh;
- finishing putty layers;
- primer before painting;
- acrylic-polymeric emulsion paint with increased resistance, color RAL 9003, applied in two coats or as specified in the approved documentation.

Before starting wall finishing works, the Contractor verifies the condition of the existing walls, including surface stability, moisture condition, cracks, loose plaster, uneven areas, traces of previous finishes, embedded installations and interfaces with doors, ceilings, floors, ventilation openings and electrical routes.

Existing wall surfaces are prepared by removing loose, damaged, unstable or unsuitable layers. The substrate is cleaned from dust, residues, grease and other materials that may affect adhesion of the new finishing system. Cracks, holes, damaged areas and uneven surfaces are repaired before application of new layers.

Concrete-contact primer is applied where required to improve adhesion between the existing substrate and the new plaster/render system. Application is carried out on clean and stable surfaces, in accordance with manufacturer's instructions.

Cement-sand plaster on metal mesh is applied to obtain a stable and even base for subsequent finishing layers. The metal mesh is fixed securely, properly overlapped and embedded within the plaster layer. Corners, edges, openings and junctions with other elements are finished neatly and safely.

The deep penetration primer is applied after the plaster layer has reached the required condition for further works. The primer is used to stabilize the surface and improve adhesion of the following layers.

The waterproofing/render layer with fiberglass mesh is applied in accordance with the approved documentation. The fiberglass mesh is embedded properly, with adequate overlaps, continuous coverage and clean transitions at corners, openings and junctions.

Finishing putty layers are applied to achieve a smooth, uniform and paint-ready surface. The surface is sanded and prepared as needed, without visible waves, cracks, rough areas, tool marks or unstable patches.

Before painting, the surface is primed in accordance with the paint manufacturer's recommendations. Acrylic-polymeric emulsion paint with increased resistance, color RAL 9003, is applied evenly, normally in two coats, unless otherwise specified in the approved documentation. The final painted surface is expected to be uniform, clean, resistant to regular cleaning and suitable for use in an educational environment.

Wall finishing works are coordinated with indoor electrical network routes, Fire Alarm System (SIP) devices, Telecommunications and Signalization (TS) outlets, ventilation openings, switches, sockets, heating elements, door frames and any wall-mounted accessories. Openings, penetrations and fixing points are to be completed and checked before final finishing and painting.

All junctions with floors, ceilings, doors, ventilation elements, electrical fittings and adjacent finishes are completed neatly. Finished walls are protected against damage, staining, dust and impact until handover.

Before acceptance, the Contractor verifies that the wall finishes are complete, smooth, stable, clean, uniform in color, free from cracks, stains, peeling, visible joints, loose areas, rough patches or other defects. Any damaged, poorly finished or non-compliant areas are corrected before handover.

#### 10.4 Ceiling Works

Ceiling works in the CREI space are executed in accordance with the approved ceiling finishing schedule, drawings, technical specifications and Bills of Quantities.

The works cover preparation of the ceiling area, installation of the suspended ceiling system, coordination with lighting, indoor electrical network, Fire Alarm System (SIP), Telecommunications and Signalization (TS) elements, and final adjustment, cleaning and correction of defects before handover.

The approved ceiling solution provides for a suspended ceiling system of Armstrong type, with cassette modules 600 x 600 mm, or equivalent approved system as specified in the approved documentation.

Before installation, the Contractor verifies the existing ceiling condition, room dimensions, ceiling height, positions of lighting fixtures, electrical routes, SIP devices, TS elements and any other installations located within or above the suspended ceiling zone. Any discrepancy with the approved documentation is reported to UNICEF and/or the Engineer before execution.

The suspended ceiling grid is installed level, stable and properly aligned. Main profiles, cross profiles, perimeter trims, suspension elements and fixing accessories are installed in accordance with the approved documentation and manufacturer's instructions. The suspension system is to be securely fixed to the existing structure and capable of supporting the ceiling panels and related integrated elements.

Ceiling cassette panels are installed neatly, with uniform joints, proper alignment and no visible deformation, stains, broken edges or unstable areas. Panels are to be easy to remove where access to installations above the ceiling is required.

The ceiling works are coordinated with:

- lighting fixtures and electrical cabling;
- Fire Alarm System (SIP) detectors, sounders or other devices, where applicable;
- Telecommunications and Signalization (TS) elements, where applicable;
- wall finishes, door openings, partitions and perimeter details;
- access requirements for maintenance of concealed installations.

Openings for lighting fixtures, ventilation elements, SIP and TS devices are cut accurately and finished cleanly. Installed devices are to be properly aligned with the ceiling grid and securely fixed, without damaging or deforming the ceiling panels.

The Contractor is responsible for ensuring that ceiling installation does not obstruct ventilation operation, reduce access to concealed installations, interfere with electrical/SIP/TS systems or create unsafe fixing conditions.

Where access to concealed installations is required, removable panels or other approved access arrangements are maintained. Access points are to remain functional, safe and coordinated with the ceiling layout.

Completed ceiling surfaces are expected to be level, clean, stable, uniform and suitable for use in an educational environment. Any damaged, stained, misaligned, loose or poorly fitted panels, profiles or accessories are replaced or corrected before acceptance.

The Contractor's offer is deemed to include all costs required for the complete supply and installation of the Armstrong-type suspended ceiling system, including panels, profiles, suspension elements, perimeter trims, fixing accessories, openings, cutting, adjustment, coordination with lighting/ventilation/SIP/TS elements, cleaning and all related works necessary for full completion. No additional payment claims will be accepted for materials, accessories, auxiliary works or installation items required for the complete and functional execution of the suspended ceiling system, unless such works result from an approved variation instructed in writing by UNICEF and/or the Engineer.

Before requesting inspection or handover, the Contractor verifies that the suspended ceiling system is fully installed, properly aligned, coordinated with all integrated installations, clean, stable and free from visible defects.

## 10.5 Internal Door and Opening Works

Internal door and opening works for the CREI and related spaces are executed in accordance with the approved door schedule, drawings, technical specifications and Bills of Quantities.

The works cover dismantling of existing internal doors and frames, preparation of the opening, installation of the new door and frame, adjustment of the threshold area, repair of affected wall and floor finishes, installation of hardware, cleaning and functional verification before handover.

The internal door specified for the CREI-related space includes:

- laminated panel door, 40 mm thick;
- metal frame;
- triplex glass 4+4 mm;
- stainless steel handle set;
- nominal dimensions 1100 x 2100 mm, or as indicated in the approved door schedule.

Before ordering or manufacturing the door, the Contractor verifies the actual opening dimensions, wall thickness, finished floor level, threshold condition, opening direction and connection with adjacent circulation areas. Any discrepancy between site conditions and the approved documentation is reported to UNICEF and/or the Engineer before procurement or installation.

Existing doors, frames, fixings and related elements are dismantled carefully, avoiding damage to adjacent walls, floors, finishes, utilities and structural elements not included in the intervention. The opening is prepared to receive the new frame, including necessary cleaning, local repairs, levelling and adjustment works.

The new door frame is installed plumb, level and securely fixed to the prepared opening. Fixing points, anchors and accessories are selected according to the wall substrate, frame type and manufacturer's recommendations. Gaps between the frame and wall are filled, sealed and finished properly.

The door leaf is installed and adjusted to ensure smooth opening and closing, proper alignment, stable operation and safe use. The door must not rub against the floor, frame or adjacent finishes, and the final installation is to be free from excessive gaps, deformation, unstable fixings or unsafe edges.

The threshold and floor transition at the door opening are finished in a way that supports accessible and safe movement. Excessive level differences, abrupt transitions, unstable finishing elements or tripping hazards are not acceptable.

The triplex glass element is installed securely and safely, in accordance with the approved door specification and manufacturer's instructions. The glass must be free from cracks, sharp edges, unstable fixing or visible defects.

The stainless-steel handle set and related hardware are installed securely, positioned for convenient use and tested for proper operation. Hardware must be durable, safe and suitable for intensive use in a school environment.

After installation, affected surfaces around the opening, including plaster, paint, floor finish, plinths and adjacent details, are repaired and finished to match the surrounding surfaces.

The Contractor's offer is deemed to include all materials, accessories, fixings, hardware, sealants, adjustment works, finishing works and auxiliary items required for complete installation and functional use of the internal door. Additional claims related to standard installation accessories or finishing details are not accepted unless they result from an approved variation instructed in writing by UNICEF and/or the Engineer.

Before acceptance, the Contractor verifies that the door is complete, stable, aligned, functional, safe, clean and properly integrated with the surrounding finishes and circulation route. Any defect, poor adjustment, unstable fixing, damaged finish or non-compliance with the approved documentation is corrected before handover.

## 10.6 Heating Works

Heating works related to the CREI spaces are executed in accordance with the approved heating drawings, specifications and Bills of Quantities.

Existing cast iron radiators indicated for removal are dismantled carefully, with protection of adjacent wall finishes, floor areas, pipes and other installations not included in the intervention.

New or adjusted heating elements, pipe connections and related works are coordinated with the final room layout, wall finishes, floor works, accessibility requirements and furniture/equipment placement. Installed heating elements are to be stable, functional, safe and positioned so that they do not obstruct circulation or create unsafe projections.

Any temporary interruption of the heating system is coordinated in advance with the Engineer and school administration.

#### 10.7 Ventilation Works

Ventilation works are carried out in accordance with the approved ventilation drawings, equipment schedule, technical specifications and Bills of Quantities.

The approved ventilation solution for the CREI spaces provides for supply-exhaust ventilation units with heat recovery, integrated filter and remote-control operation, as indicated in the ventilation equipment schedule.

The ventilation equipment schedule indicates, as applicable:

- supply-exhaust ventilation units serving the CREI spaces;
- equipment type similar to RD 150 Standard or as specified in the approved documentation;
- air flow parameters as indicated in the design;
- single-phase power supply;
- heat recovery unit;
- integrated filter;
- remote-control operation.

Ventilation openings through external walls are executed in the locations and diameters indicated in the approved drawings. Drilling, channel installation and fixing works are performed carefully, avoiding damage to structural elements, existing utilities, finishes and adjacent spaces.

Ventilation grilles, channels, units and accessories are installed securely and coordinated with wall finishes, suspended ceiling, indoor electrical network, SIP and TS installations. The completed system is checked for correct installation, safe fixing, functional operation and proper finishing around all penetrations and openings.

#### 10.8 Indoor Electrical Network, Fire Alarm System (SIP) and Telecommunications/Signalization (TS) Interfaces

The CREI spaces include works that interface with the indoor electrical network, Fire Alarm System (SIP), and Telecommunications and Signalization (TS) systems.

This section covers only the coordination requirements related to CREI finishing and adaptation works. Detailed technical requirements for the indoor electrical network, Fire Alarm System (SIP), and Telecommunications and Signalization (TS) are to be provided in dedicated chapters of the General Technical Specifications and in the relevant design documentation.

Within the CREI and Logoped spaces, finishing and construction works are coordinated with:

- indoor electrical cabling routes;
- lighting fixtures;
- switches and sockets;
- ventilation equipment power supply and control elements;
- SIP cabling, detectors, sounders or other fire alarm devices, where applicable;
- TS cabling, outlets, devices or related signalization elements, where applicable;
- suspended ceiling openings and wall penetrations required for these systems.

Lighting fixtures, sockets, switches and other electrical elements are installed in the approved locations and coordinated with wall finishes, suspended ceiling, furniture/equipment placement and accessibility requirements.

SIP and TS elements are coordinated with ceiling works, wall finishes, ventilation equipment, circulation routes and room functionality. Installed components are not to obstruct movement, reduce usability of the room, interfere with doors or create unsafe projections.

Openings, channels, penetrations and fixing points required for electrical, SIP and TS works are executed carefully and finished properly after installation. All affected surfaces are repaired and reinstated to match the surrounding finishes.

#### 10.9 Coordination with Accessibility and Room Functionality

The final arrangement of doors, floors, wall finishes, ceiling, lighting, ventilation grilles, switches, sockets, heating elements, SIP devices, TS devices and any other installed components is coordinated with the approved room layout and accessibility requirements.

Installed elements are not to obstruct circulation, reduce manoeuvring space, interfere with door operation, create unsafe projections or affect the use of the Resource Center.

Where tactile/visual marking, signage or other accessibility-related elements are indicated in connection with the CREI spaces, these are coordinated with the floor finish, door location, corridor route and internal circulation.

The final spaces are to remain accessible, easy to use, easy to clean and suitable for activities involving children, school staff and specialists.

#### 10.10 Final Condition and Acceptance

Before requesting inspection or handover, the Contractor verifies that the CREI spaces are complete, clean, safe, accessible, functional and ready for use.

The following items are completed before acceptance:

- dismantling works and removal of debris;
- floor, wall and ceiling finishes;
- internal door installation;
- heating and ventilation works;
- indoor electrical works related to the space;
- coordination with SIP and TS installations;
- cleaning and reinstatement of affected areas;
- correction of defects and non-conformities;
- submission of relevant quality certificates, conformity documents, test reports, warranties and as-built information, where applicable.

The works are not considered ready for acceptance if any finish, door, installation, ventilation element, lighting fixture, SIP/TS interface or related component is missing, unsafe, unstable, non-functional, poorly finished or inconsistent with the approved design documentation.

### **11. Indoor Electrical Network, Fire Alarm System (SIP) and Telecommunications/Signalization (TS) Interfaces**

#### **11.1 Indoor Electrical Network**

The Contractor is responsible for the complete execution of indoor electrical works in accordance with the approved IEI–EEF design documentation, including general indications, electrical diagrams, distribution board schemes, lighting and power layouts, equipment plans, and material specifications prepared for the rehabilitated WASH areas. The electrical package includes general electrical requirements, schematic diagrams for supply and distribution panels, modified board schemes, equipment layout plans for Blocks A and B, and the related specification of materials and equipment.

The scope covers the installation, connection, testing and commissioning of the internal electrical networks serving the rehabilitated sanitary spaces and related technical areas. This includes lighting circuits, socket circuits, power supply for ventilation equipment, hand dryers, water heaters or other sanitary-related consumers, local electrical panels, protective devices, cable routes, switches, sockets, junction boxes, earthing connections, labeling, and all accessories required for a complete, safe and operational installation.

The indoor electrical installation is to be executed for a 380/220 V low-voltage system, with neutral connected to earth and TN-C-S earthing system, as indicated in the electrical design notes. The reconstructed electrical consumers are classified under Category III power supply reliability, with the calculated installed/reconstructed load indicated in the project as approximately 6.2 kW.

The internal electrical distribution system is to follow the approved design. Distribution panels, including PD-2, PD-3 and other modified boards indicated in the drawings, are to be connected from the existing building distribution boards, including TD-1 / TD-2, as shown in the design layouts. Panels are equipped with automatic

circuit breakers, differential protection devices where required, load switches, terminal blocks, PE/N bars, cable glands, labels, internal wiring and lockable enclosures. Distribution panels are to be installed with the centre of the panel approximately 1.5 m above finished floor level, unless otherwise indicated in the drawings.

Electrical circuits are to be grouped by function, separating lighting, sockets, ventilation, hand dryers, boiler/water-heating equipment, technical equipment and fire-signal related interfaces. Each final circuit requires adequate protection by automatic circuit breakers selected according to cable section, load type, installation conditions and short-circuit protection requirements. In sanitary and wet areas, sockets and equipment require residual-current protection, normally 30 mA, unless otherwise indicated in the design or required by applicable electrical norms.

Lighting works include installation of LED luminaires, switches, junction boxes, cabling and related accessories according to the lighting layout. The specification indicates recessed LED luminaires, IP20, approximately 3600 lm, 32 W, 595 × 595 × 85 mm. Luminaires installed in sanitary rooms, wet areas or technical spaces require the appropriate protection degree against humidity and splashing, as indicated in the design and applicable norms. Final positioning is to be coordinated with ceiling works, ventilation grilles, access panels and sanitary partitions to avoid conflicts and ensure adequate illumination.

Switches, sockets and connection points are to be installed at the heights and locations indicated in the drawings, or as coordinated on site with the Engineer where minor adjustments are necessary due to actual site conditions. Switches are generally installed at approximately 1.8 m above finished floor level, unless otherwise indicated. The design includes monopolar switches 10A/230V IP20, double switches 10A/230V IP20, sockets 2P+PE, and junction boxes with terminals, according to the equipment legend and material specification. Socket outlets require protective earthing contact. In wet or sanitary areas, sockets and equipment must have the required protection degree, including IP44 where indicated.

Cables and conductors are to be copper, new, certified, flame-retardant and suitable for indoor installation. Electrical circuits are executed using cables such as VVGng(A)-LSLTx or equivalent, with sections indicated in the design, including 3×1.5 mm<sup>2</sup>, 3×2.5 mm<sup>2</sup> and 5×6 mm<sup>2</sup>. Control or fire-related circuits are to use fire-resistant low-smoke cables, such as KVVGng(A)-FRLSLTx or equivalent, including 4×1.0 mm<sup>2</sup> where indicated.

Cable routes are to be executed in U-PVC conduits, wall or floor chases, ceiling/slab voids or plastic cable channels, according to the routing shown on the drawings. Routes must be securely fixed, aligned horizontally and vertically, protected against mechanical damage, and coordinated with plumbing, ventilation, heating and finishing works. Diagonal or improvised routing is not permitted. U-PVC conduits are to be fixed at intervals not exceeding approximately 1.5 m vertically and 1.2 m horizontally, as indicated in the design notes.

The material specification includes flexible spiral U-PVC conduits, medium type 750N, with self-extinguishing properties, including Ø20 mm and Ø25 mm conduits. Plastic cable channels are to be installed where indicated, including channels of approximately 60×40 mm and 25×16 mm, complete with fixing elements, covers, bends, joints, terminations and accessories.

Where cables pass through walls, ceilings or partitions, sleeves, bushings or other suitable protection are required. Penetrations through fire-rated elements, where applicable, must be sealed using approved fire-stopping materials. All cable entries into panels, equipment and junction boxes are to be properly fixed and protected against abrasion, moisture and accidental pulling.

Power supply to ventilation fans, hand dryers, boilers/water heaters and other equipment is to be provided through dedicated or suitably grouped circuits, as shown in the project documentation. Each item of equipment is to be connected in accordance with the manufacturer's instructions, including local isolation where required. Ventilation control buttons/posts are to be installed at approximately 1.8 m above finished floor level, unless otherwise indicated.

The earthing and protective bonding system forms part of the electrical works and requires verification prior to handover. All metallic non-current-carrying parts of electrical equipment, distribution boards, metal conduits, exposed conductive parts and other relevant metallic elements are to be connected to the protective earth system. Equipotential bonding is required where applicable for wet rooms and sanitary installations, including coordination with metallic water pipes, heating elements, ventilation components or other conductive systems present in the rehabilitated areas.

Proper segregation is required between power circuits and low-current systems, including the Fire Alarm System (SIP) and Telecommunications/Signalization systems (TS). SIP and TS cables must not be installed in the same conduit or cable-channel compartment with power cables, unless the channel is specifically

designed with separation and approved for such use. Crossings between power and low-current cables are to be arranged at right angles where practicable.

The SIP interface includes automatic disconnection of ventilation/heat recovery equipment through signal from the PSI-1 fire alarm panel, as indicated in the design notes. Fire alarm and emergency-related circuits are to be routed separately from ordinary power circuits. The design notes indicate separate plastic cable-channel arrangements: one for normal/base circuits and one for emergency or fire-related circuits.

Any works affecting existing SIP or TS networks, including temporary disconnection, relocation, protection, extension or reconnection, require prior coordination with the Engineer, Beneficiary and relevant maintenance/service representatives. Existing fire alarm, telecommunications, internet, signalization or communication systems are to remain operational during the works as far as practicable. Temporary interruptions may be performed only with prior approval and kept to the shortest possible duration.

Where SIP or TS devices, cables, sensors, call points, communication outlets, signal cables or related infrastructure are located within the intervention area, the Contractor is responsible for their protection during demolition, installation and finishing works. Any damage caused by Contractor's operations is to be restored at the Contractor's expense. Required relocation or adjustment may be carried out only according to the approved SIP/TS layouts or written instruction of the Engineer.

All electrical products and equipment must be new, factory-made, certified for use in the Republic of Moldova and suitable for the intended environment. The Contractor is to submit technical data sheets, certificates of conformity, declarations of performance, warranty documents and samples where requested by the Engineer before installation.

Before commissioning, the Contractor is responsible for completing all necessary inspections and tests, including visual inspection, insulation resistance testing, continuity testing of protective earth conductors and bonding connections, verification of phase-neutral-earth arrangement, testing of residual-current devices and automatic protection devices, functional testing of lighting, sockets, ventilation equipment, hand dryers, boiler/water-heating equipment, and verification of the fire alarm shutdown interface.

Testing results are to be recorded in formal protocols and submitted to the Engineer prior to acceptance. Any defects, unsafe connections, incorrect labeling, missing protection devices, loose terminations, damaged insulation or non-compliant installations must be corrected before the works are considered complete.

Upon completion, the Contractor is to provide full handover documentation for the electrical works, including as-built drawings, updated panel schedules, test protocols, certificates of conformity, warranty documents, operation and maintenance instructions, and records for hidden works where applicable. The installation is to be handed over complete, safe, tested, labeled and ready for operation by the Beneficiary.

## 11.2 Fire Alarm System (SIP)

The Fire Alarm System works are to be executed in accordance with the approved SI/SIP design documentation, including general notes, fire alarm schematic diagrams, equipment layout plans, cable routing plans, material specifications, applicable fire safety norms, manufacturer's instructions and directions issued by UNICEF and/or the Engineer.

The SIP works cover the supply, installation, connection, testing and commissioning of all fire alarm and related signalization components required for the rehabilitated areas, including the Resource Center for Inclusive Education, accessible sanitary block and related circulation spaces.

The system is intended to provide automatic fire detection, manual fire alarm activation, audible/visual alarm notification, alarm signal transmission and interface with related engineering systems, including disconnection of ventilation equipment where indicated in the approved project documentation.

The Contractor is responsible for coordinating SIP works with the indoor electrical network, ventilation system, suspended ceiling layout, sanitary works, accessibility interventions, wall finishes, cable channels and existing fire alarm infrastructure of the building. Particular attention is required to the final positioning of detectors, manual call points, sirens, remote indicators and cable routes, in order to avoid conflicts with luminaires, ventilation grilles, ceiling elements, sanitary partitions and wall-mounted equipment.

Existing SIP and alarm infrastructure located within or near the intervention area is to be protected during construction. Any temporary disconnection, relocation, reconnection or adjustment of existing fire alarm or alarm devices requires prior coordination with UNICEF and/or the Engineer, the Beneficiary and the relevant maintenance/service representative.

All equipment, materials and accessories used for the SIP system are to be new, certified, compatible with the installed system and suitable for indoor use in an educational institution. The completed installation is to be handed over fully operational, tested, labelled and documented.

#### Main SIP Equipment and Devices

The SIP system is executed using the equipment and components indicated in the approved design documentation, equipment schedules and Bills of Quantities. Quantities are governed by the approved BoQ and project specification.

The works include, as applicable:

- Fire alarm control panel: SmartLine fire alarm control panel, type indicated in the specification as SmartLine20/2, complete with required modules, terminals and accessories.
- Fire alarm standards: fire alarm equipment is to comply with relevant EN 54 requirements, including EN 54-2 for control panels, EN 54-4 for power supply, EN 54-7 for smoke detectors and EN 54-11 for manual call points, where applicable.
- Smoke detectors: installation of smoke detectors in the rooms and areas indicated in the fire alarm layout, including the projected CREI/resource centre and adjacent rooms. The specification indicates ID100 smoke detectors or equivalent, conforming to EN 54-7; indicative quantity: 7 units.
- Manual fire alarm button: installation of manual call point IC0020 or equivalent, conforming to EN 54-11; indicative quantity: 1 unit.
- Internal fire alarm siren: installation of internal alarm sounder ISO10RE or equivalent, conforming to relevant EN 54 requirements; indicative quantity: 1 unit.
- External audible/visual alarm device: installation of Ivy-R external siren / sound-and-light indicator or equivalent; indicative quantity: 1 unit.
- Remote indicators: installation of RI31 LED remote indicators or equivalent in the locations indicated in the approved documentation; indicative quantity: 2 units.
- Alarm transmission: installation of ATS-100 transmitter, one channel, or equivalent, for alarm signal transmission as indicated in the specification.
- Backup power supply: provision of reserve power supply for the fire alarm system, including 2 accumulators, 12 V / 17 Ah, or as otherwise indicated in the approved specification.
- Exit information panels: installation of "İEŞİRE" information panels, as indicated in the specification; indicative quantity: 2 units.

All devices are installed in the locations shown in the approved layouts, with final positioning coordinated on site with ceiling, wall, door, ventilation, electrical and accessibility elements.

#### Cabling, Cable Routing and Installation Requirements

Fire alarm circuits are executed with certified fire-resistant, low-smoke cables, including KPSng(A)-FRLSLTx or equivalent, with conductor sections as indicated in the approved design and material specification.

Power/control connections related to the SIP system are executed with VVGng / BBng-FRLSLTx 3×1.5 mm<sup>2</sup> or equivalent, as indicated in the specification and approved drawings.

SIP cables are installed in dedicated protected routes, including cable channels and flexible conduits, according to the approved cable routing plans. The installation includes all required cable channels, conduits, covers, bends, joints, fixing accessories, end elements, junction boxes, terminals and related mounting materials.

The approved specification indicates, as applicable:

- plastic cable channel 10×22 mm, complete with covers and accessories; indicative quantity: 100 m;
- flexible corrugated tube Ø20 mm with pulling wire; indicative quantity: 80 m.

SIP cables are routed separately from 230/400 V power circuits. Fire alarm and low-current circuits are not to be placed in the same undivided conduit or cable channel with power cables. Where crossings with power cables or other technical networks are unavoidable, the crossing is arranged at approximately 90 degrees, where practicable.

Cable penetrations through walls, partitions or ceilings are executed with sleeves or protective bushings. Fire-rated penetrations, where applicable, are sealed with approved fire-stopping materials compatible with the fire resistance requirements of the element crossed.

All cables, devices, panel terminals and junction points are to be labelled according to the approved circuit/device numbering. Cable routing must remain accessible for inspection and maintenance where required.

#### Device Positioning and Coordination

Smoke detectors are installed according to the approved fire alarm layout, with final locations coordinated with the suspended ceiling grid, lighting fixtures, ventilation grilles, access panels and room layout.

Manual call points are installed on the evacuation/circulation route and at the height indicated in the approved design and applicable fire safety norms.

Sirens, audible/visual alarm devices and remote indicators are positioned to ensure proper alarm perception in the rehabilitated spaces and related circulation areas.

The ventilation shutdown interface is provided where indicated in the approved fire alarm schematic. The SIP system is coordinated with the indoor electrical and ventilation sections to ensure automatic disconnection of ventilation equipment upon fire alarm signal, where required by the project documentation.

The connection to existing or designed fire alarm infrastructure is coordinated before execution. The layout indicates the existing SIP panel and the new SmartLine fire alarm panel location; any interface, reconnection or integration works are confirmed with UNICEF and/or the Engineer and the relevant service/maintenance representative before implementation.

Installed detectors and fire alarm devices are protected against dust, paint, plaster, mechanical impact and moisture during construction. Protective covers are removed before testing and commissioning.

#### Related Alarm / Security Signalization Elements

The approved documentation also includes alarm/security signalization equipment for the accessible sanitary area and related spaces.

The works include, as applicable:

- Security/alarm central unit: Ajax Hub or equivalent; indicative quantity: 1 unit.
- Internal wireless siren: Ajax HomeSIREN or equivalent; indicative quantity: 1 unit.
- Wireless alarm button: Ajax Button or equivalent; indicative quantity: 1 unit.
- Remote controls: Ajax SpaceControl or equivalent; indicative quantity: 2 units.
- Wired alarm button: installation of the alarm button in the accessible sanitary block, as indicated in the equipment layout.

The accessible sanitary alarm is coordinated with the final layout of the WC cabin, door opening direction, handrails, washbasin, emergency call position and accessible route. The final position of the alarm button must allow convenient use by persons with reduced mobility and must not interfere with sanitary equipment, support bars, door operation or circulation space.

Related signalization devices are installed, connected, tested and handed over in operational condition, together with the relevant instructions, warranty documents and configuration/access information required for future use and maintenance.

#### Testing, Commissioning and Handover

Before handover, the Contractor carries out testing and commissioning of the SIP and related signalization systems in the presence of UNICEF and/or the Engineer and, where required, the Beneficiary or service/maintenance representative.

Testing and commissioning include, as applicable:

- visual inspection of installed SIP devices, cable routes, conduits, cable channels, junction boxes and panel connections;
- verification of device location, fixing, labelling and accessibility for maintenance;
- continuity testing of fire alarm circuits;
- insulation testing where applicable and permitted by the equipment manufacturer;
- functional testing of smoke detectors;
- functional testing of manual fire alarm button;
- testing of internal siren and external audible/visual alarm device;
- verification of alarm indication at the fire alarm control panel;
- fault simulation test, including open circuit and device fault indication where applicable;
- verification of backup power supply operation;
- testing of alarm signal transmission through the transmitter;

- testing of the ventilation shutdown interface upon fire alarm signal;
- testing of the accessible sanitary alarm/security signalization elements, including alarm button, siren and remote controls.

All non-conformities, faults, incorrect connections, missing labels, damaged devices, unstable fixings or incomplete installation items identified during testing are corrected before acceptance.

The handover documentation includes, as applicable:

- as-built SIP drawings;
- updated device list;
- cable routing information;
- test and commissioning protocols;
- certificates of conformity;
- equipment manuals;
- warranty documents;
- maintenance instructions;
- configuration/access information for installed systems, where relevant.

The SIP and related alarm/signalization systems are considered ready for acceptance only when the installation is complete, operational, labelled, tested, free of faults, documented and accepted by UNICEF and/or the Engineer.

### 11.3 Telecommunications and Signalization System — TS

The Telecommunications and Signalization (TS) works are executed in accordance with the approved design documentation, including the general notes, telecommunication network layout, equipment/material specification, cable routing plans, Bills of Quantities, manufacturer's instructions and directions issued by UNICEF and/or the Engineer.

The TS works cover the supply, installation, connection, testing and handover of the telecommunication, data/Internet, and related signalization elements required for the rehabilitated, including the Resource Center for Inclusive Education, and related circulation/connection areas.

The system is intended to provide functional telecommunication/data connection points in the rooms indicated in the approved documentation. The Contractor is responsible for coordinating TS works with indoor electrical installations, lighting fixtures, suspended ceiling, ventilation, heating elements, wall finishes, floor finishes, doors, accessibility works and existing school telecommunication infrastructure.

All TS equipment, materials, cables, accessories and fixing elements are to be new, compatible with the installed system, suitable for indoor use in an educational institution and installed in accordance with the approved design and manufacturer's recommendations.

The TS works include, as applicable:

- connection of the new telecommunication routes to the existing school telecommunication network, as indicated in the approved documentation;
- installation of UTP telecommunication cabling from the existing network to the designed outlets;
- installation of data/Internet sockets with RJ-45 connectors;
- installation of TV socket;
- installation of cable channels, conduits, mounting boxes, connectors and fixing accessories;
- installation of autonomous wall clocks and related autonomous power supply elements;
- coordination with nearby 220 V electrical sockets provided under the electrical design;
- testing, labelling, cleaning, documentation and handover of the completed TS installation.

The exact routes, outlet locations, cable lengths, quantities and installation points are governed by the approved TS drawings, specification and BoQ.

The TS installation is executed using the materials and equipment indicated in the approved specification and Bills of Quantities. Indicative items include:

- structured cabling network elements;
- double telecommunication/data sockets with RJ-45 modules and frames;
- TV socket;
- mounting boxes, including Ø50 mm type "Eurodoza" or equivalent;
- copper UTP cable, Cat.5e or as indicated in the approved specification;
- UTP Cat.6e patch cords, where indicated;
- RJ-45 connectors, Cat.5e or equivalent;
- Ø20 mm corrugated tube with pulling wire;

- plastic cable channel 10×20 mm, complete with covers and accessories;
- fixing and mounting accessories, including clips, screws, anchors, terminal accessories and junction elements;
- autonomous wall clocks;
- autonomous power supply elements for wall clocks;
- grounding/earthing elements where indicated in the approved specification.

All proposed materials and devices are subject to review by UNICEF and/or the Engineer before installation, where requested.

#### Cable Routing and Installation Requirements

Telecommunication cabling is installed in accordance with the approved routing plan. The design notes indicate that the telecommunication network is to be executed concealed, in Ø20 mm PE/corrugated tube, in wall chases and above the suspended ceiling, where applicable.

Cables are routed neatly, protected against mechanical damage and installed before final finishing works. All engineering communication routes are to be traced and coordinated before execution of plastering, painting, suspended ceiling installation and other finishing works.

The Contractor verifies the existing connection point, route feasibility, wall/ceiling conditions and possible conflicts with other installations before starting cabling works. Any discrepancy or obstruction is reported to UNICEF and/or the Engineer before execution.

Telecommunication cables are to be separated from 230/400 V power circuits. Low-current TS cables are not to be placed in the same undivided conduit or cable channel with power cables. Where crossings with power cables or other technical networks are unavoidable, the crossing is arranged at approximately 90 degrees, where practicable.

Cables are installed without excessive bending, twisting, tension, crushing or damage to the insulation. Cable ends are left with sufficient reserve length for proper termination, testing and maintenance.

Cable channels are installed straight, level and securely fixed, with covers, bends, joints and end elements properly fitted. Visible cable channels are to be clean, aligned and coordinated with the room finishes.

Penetrations through walls, partitions or ceiling elements are executed carefully, using sleeves or protective bushings where required. Affected surfaces are repaired and finished after installation.

#### Data, Internet and TV Outlets

Data/Internet outlets are installed in the locations indicated on the approved TS layout. The design provides for RJ-45 telecommunication sockets connected to the existing school telecommunication network. RJ-45 sockets, connectors and patching elements are installed, terminated and tested in accordance with the selected cabling category and manufacturer's instructions.

The Internet/data outlets are coordinated with adjacent 220 V electrical sockets, as required by the design notes. The electrical sockets themselves are executed under the indoor electrical network section, but their position must be coordinated with the final location of the RJ-45 outlets.

The TV socket is installed in the location indicated in the approved documentation. The height and final position are coordinated with the room layout, wall finishes, furniture arrangement and any related electrical/telecommunication elements. All sockets and outlets are installed plumb, securely fixed, cleanly finished and properly aligned with the surrounding wall finishes.

#### Autonomous Wall Clocks

Autonomous wall clocks are installed in the rooms and locations indicated in the approved TS documentation. The clocks are to be autonomous, with individual power supply, suitable for indoor use and appropriate for educational premises. The selected model is expected to provide clear visibility and convenient reading from the room area.

Wall clocks are securely fixed to the wall, aligned properly and installed only after completion of the relevant wall finishing works. The installation must not damage finished surfaces, obstruct other equipment or interfere with room use.

The autonomous power supply elements are installed and tested before handover.

The TS works are coordinated with:

- indoor electrical network and 220 V sockets;
- lighting fixtures and cable routes;
- suspended ceiling system and access above ceiling;
- ventilation grilles, ducts and equipment;
- heating pipes and radiators;
- sanitary installations, where applicable;
- wall chases, plastering, painting and final finishes;
- doors, furniture layout and accessibility circulation;
- existing telecommunication infrastructure of the school.

Final positions of sockets, cable routes, wall clocks and related TS elements are checked before installation to avoid conflicts with luminaires, ventilation equipment, wall-mounted accessories, furniture, sanitary partitions or accessibility elements.

Where TS elements affect wall, ceiling or floor finishes, the Contractor is responsible for proper reinstatement of the affected surfaces.

#### Testing, Commissioning and Handover

Before handover, the Contractor performs inspection, testing and commissioning of the completed TS installation in the presence of UNICEF and/or the Engineer, where required.

Testing and commissioning include, as applicable:

- visual inspection of cable routes, conduits, cable channels, mounting boxes and outlets;
- verification of outlet positions, fixing, alignment and labelling;
- continuity testing of UTP cables;
- verification of RJ-45 termination and correct pin arrangement;
- testing of data/Internet connection points;
- testing of patch cords and connectors;
- verification of the TV socket connection;
- functional check of autonomous wall clocks and power supply elements;
- verification that cable channels and visible elements are clean, closed and properly fixed;
- confirmation that all affected surfaces have been repaired and finished.

The handover documentation includes, as applicable:

- as-built TS layout or marked-up drawings;
- updated outlet/device list;
- cable routing information;
- test protocols;
- certificates of conformity;
- product data sheets/manuals;
- warranty documents;
- maintenance instructions.

The TS system is considered ready for acceptance only when all telecommunication, TV and signalization elements are installed, connected, tested, labelled, documented, clean, functional and accepted by UNICEF and/or the Engineer.

The Contractor's offer is deemed to include all materials, cables, connectors, sockets, cable channels, conduits, fixing accessories, mounting boxes, patch cords, wall clocks, testing, labelling, cleaning and auxiliary works required for complete and functional execution of the TS system. Additional payment claims for standard accessories, installation items or coordination works are not accepted unless they result from an approved variation instructed in writing by UNICEF and/or the Engineer.

## **12. WASH Facilities and Sanitary Equipment**

The WASH works are executed in accordance with the approved architectural/sanitary drawings, equipment layout plans, technical specifications, Bills of Quantities, applicable accessibility requirements, manufacturer's instructions and directions issued by UNICEF and/or the Engineer.

For this location, no major reconstruction of the sanitary spaces is foreseen. The intervention is mainly limited to the replacement, installation and adjustment of sanitary equipment, accessibility accessories and related items indicated in the approved drawings.

The Contractor is responsible for verifying the existing site conditions, room dimensions, fixing surfaces, water supply and drainage connection points, electrical connection points, wall/floor finishes and available clearances before procurement and installation of equipment.

All sanitary equipment, accessories, support elements, signalization elements and fixing materials are to be new, durable, safe, easy to maintain, suitable for intensive use in an educational institution and compatible with the existing sanitary infrastructure.

The WASH works include, as applicable:

- dismantling and removal of existing sanitary equipment and accessories to be replaced;
- supply and installation of new lavatories, including lavatories intended for persons with reduced mobility;
- supply and installation of mirrors;
- supply and installation of stainless-steel hand dryers;
- supply and installation of stainless-steel soap dispensers;
- supply and installation of support bars for persons with reduced mobility;
- supply and installation of waste bins and WC brush with holder;
- improvement of the sanitary block for persons with reduced mobility through installation of an emergency assistance/call button, including related visual and sound alarm elements where specified in the approved design documentation;
- connection of equipment to existing water supply, drainage and electrical points, where applicable;
- local repair and reinstatement of affected wall, floor or finishing areas;
- testing, cleaning and handover of all installed equipment in functional condition.

The exact locations, quantities and arrangement of equipment are indicated in the approved drawings, equipment lists and Bills of Quantities.

#### Sanitary and Accessibility Equipment

The equipment indicated in the approved layouts includes, as applicable:

Accessible sanitary block, Block "A", cota 0.000:

- emergency assistance/call button with cord;
- lavatory intended for persons with reduced mobility;
- mirror, 600 x 1000 mm;
- stainless-steel soap dispenser;
- metal waste bin;
- foldable stainless-steel support bar;
- vertical stainless-steel support bar;
- WC brush with holder.

WASH area, cota +0.800:

- stainless-steel hand dryer, 1.5 kW, 250 V;
- lavatory;
- lavatory intended for persons with reduced mobility;
- mirror, 600 x 1000 mm.

The quantities are to be checked against the approved BoQ and final drawings before procurement. Any inconsistency between the layout, specification and BoQ is to be clarified with UNICEF and/or the Engineer before ordering equipment.

#### Equipment Specification Requirements

Lavatories are to be durable, easy to clean, resistant to regular use and suitable for school sanitary facilities. Lavatories intended for persons with reduced mobility are installed at the height and position indicated in the approved drawings and applicable accessibility requirements, ensuring safe approach, convenient use and compatibility with adjacent support bars and circulation space.

Mirrors are installed in the dimensions indicated in the drawings, including 600 x 1000 mm where specified. Mirrors are to be securely fixed, properly aligned, free from visible defects and positioned for convenient use, including by persons with reduced mobility where applicable.

Hand dryers are to be stainless-steel type, with power rating as indicated in the approved equipment list, namely 1.5 kW, 250 V, or equivalent approved model. Installation is coordinated with the electrical supply point, wall fixing condition, lavatory position and safe user access.

Soap dispensers are to be stainless-steel type, securely fixed, easy to refill and positioned close to the lavatory without obstructing use or circulation.

Support bars for persons with reduced mobility are to be stainless-steel, corrosion-resistant and securely fixed to the wall or floor structure as indicated in the drawings. The foldable support bar and vertical support bar are expected to be stable, safe, easy to operate and capable of resisting normal use loads in an accessible sanitary facility.

The emergency assistance/call button with cord is installed in the accessible sanitary block in the position indicated in the approved layout. The system is intended to allow a person with reduced mobility to request assistance in case of emergency and includes the related visual and/or sound alarm elements where specified in the design documentation. The cord is to be reachable from the WC area and from a low position, allowing use from seated or fallen position. The final installation is coordinated with the WC cabin layout, door opening direction, support bars, PMR lavatory, circulation space and related signalization elements.

Waste bins and WC brush holders are to be stable, hygienic, easy to clean and positioned without reducing the accessible circulation space or interfering with door operation, support bars or sanitary equipment.

#### Installation Requirements

Before installation, the Contractor verifies the actual condition of walls, floors, existing water and drainage pipes, electrical supply points, equipment fixing zones and available clearances around each item.

Equipment is installed according to the approved layout, manufacturer's instructions and applicable accessibility requirements. The final position of each item is coordinated with door swings, circulation routes, support bars, lavatories, mirrors, emergency call button, electrical accessories and existing installations.

Fixing of equipment and accessories is carried out with appropriate anchors, brackets, screws and mounting accessories suitable for the wall substrate and expected use. Weak, unstable or unsuitable fixing surfaces are reported to UNICEF and/or the Engineer before installation.

Connections to existing water supply and drainage points are executed neatly and tightly, without leaks, unstable fittings or exposed unsafe elements. Where minor adjustments are required for connection, they are coordinated with UNICEF and/or the Engineer before execution.

Electrical connection of hand dryers and related signalization elements is coordinated with the indoor electrical network and/or related TS/SIP signalization requirements, where applicable. Electrical works are carried out only by qualified personnel and in accordance with the approved electrical documentation and applicable safety requirements.

All affected surfaces around equipment fixing points, pipe connections, wall penetrations or dismantled items are repaired and reinstated to match the surrounding finishes.

#### Accessibility Requirements

Equipment intended for persons with reduced mobility is installed in accordance with the approved drawings and applicable accessibility requirements, including CP C.01.02-2003 or other applicable national provisions referenced in the design documentation.

The installation is to ensure safe, convenient and independent use of the accessible sanitary block. Required clearances around the PMR lavatory, WC area, support bars, emergency assistance/call button and circulation space are maintained.

Installed equipment must not create obstacles, sharp projections, excessive level differences, inaccessible controls or unsafe conditions for users with reduced mobility.

The final positioning of the emergency assistance/call button, support bars, PMR lavatory, mirror and accessories is checked before fixing to ensure compliance with the approved layout and functional accessibility requirements.

#### Testing, Cleaning and Handover

Before handover, the Contractor verifies and tests all installed WASH equipment and accessories.

Testing and verification include, as applicable:

- visual inspection of all installed equipment;
- verification of correct location, height, alignment and fixing;
- leak testing of lavatories and drainage connections;
- functional testing of taps, drainage and related fittings;
- operational testing of hand dryers;

- functional testing of the emergency assistance/call button, including related visual and sound alarm elements where specified in the approved design documentation;
- verification of stability and operation of foldable and vertical support bars;
- checking that mirrors, soap dispensers, waste bins and accessories are properly fixed and clean;
- confirmation that accessible circulation and use of the sanitary cabin are not obstructed.

All damaged, unstable, leaking, incorrectly positioned, poorly fixed or non-functional items are corrected or replaced before acceptance.

The WASH works are considered ready for acceptance only when all equipment is installed in the approved locations, functional, stable, clean, safe, accessible, properly connected and accepted by UNICEF and/or the Engineer.

The Contractor's offer is deemed to include all materials, equipment, accessories, fixings, connection items, minor adjustment works, testing, cleaning and local reinstatement required for complete and functional installation of the WASH equipment. Additional payment claims for standard accessories, fixings, connection elements or auxiliary installation works are not accepted unless they result from an approved variation instructed in writing by UNICEF and/or the Engineer.

### **13. Site Organization and Works in an Operating School Environment**

#### **13.1 General Requirements**

The works are to be organized and executed with consideration that the school may remain partially or fully operational during the construction period. The Contractor is responsible for organizing the site in a manner that ensures safe separation between construction activities and school users, including students, teachers, administrative staff, visitors and other persons present on the premises.

Before mobilization, the Contractor is required to coordinate the site organization arrangements with UNICEF and/or the Engineer and the school administration. The arrangements must reflect the approved work programme, site access conditions, phasing of works, working hours, school schedule, emergency routes and protection measures required for an operating educational institution.

The Contractor's site organization is to be consistent with the approved design documentation, the site-specific ESMP, health and safety requirements, school access limitations and any instructions issued by UNICEF and/or the Engineer.

#### **13.2 Site Mobilization and Demarcation**

Before starting physical works, the Contractor prepares the work area, defines the site limits and installs temporary protection measures required for safe execution.

The site organization includes, as applicable:

- demarcation of the working area with temporary barriers, fencing, tapes, warning signs or other suitable means;
- clear separation between construction zones and areas used by students, staff and visitors;
- identification of safe access routes for workers, material delivery and waste removal;
- protection of existing circulation routes that remain in use;
- safe storage area for materials, tools and equipment;
- temporary arrangements for waste collection and removal;
- temporary protection of floors, walls, doors, windows, furniture, technical installations and finishes not included in the works;
- display of relevant safety signs, contact information and restricted-access notices.

Access of students, school staff and unauthorized persons to the construction area is not permitted. Barriers, doors, locks, warning signs and physical separation measures are to remain in place throughout the works and adjusted as the work areas change.

#### **13.3 Coordination with School Operation**

The Contractor coordinates daily activities with the school administration and UNICEF and/or the Engineer to minimize disruption to the educational process.

Particular attention is required for works that may generate noise, dust, vibration, temporary obstruction of circulation routes, interruption of utilities, delivery traffic or other disturbance. Such activities are to be planned, where practicable, outside peak school hours or during periods agreed with the school administration.

The Contractor is responsible for maintaining safe and unobstructed access to school areas not included in the intervention. Evacuation routes, emergency exits, fire-fighting access and access to essential school functions must remain available unless a temporary arrangement has been agreed in advance with UNICEF and/or the Engineer and the school administration.

Any planned temporary interruption of water, electricity, heating, ventilation, fire alarm, telecommunications or other operational systems is to be announced and coordinated in advance. Unplanned interruptions, damage or unsafe conditions are to be reported immediately.

#### 13.4 Access, Deliveries and Material Storage

Worker access, delivery routes and material handling are organized to avoid conflict with pupil and staff movement. The Contractor is responsible for ensuring that deliveries, loading/unloading and movement of materials are carried out safely and under supervision.

Materials are stored only in agreed locations and in a manner that prevents falling, obstruction, damage, contamination or unauthorized access. Hazardous materials, tools, sharp objects, chemicals, adhesives, paints, electrical equipment and small fittings are to be stored securely and kept out of reach of students and unauthorized persons.

Construction materials, dismantled items and waste are not to be stored in corridors, staircases, emergency routes, entrances or areas used by the school, unless specifically agreed as a temporary measure and properly protected.

#### 13.5 Protection of Existing Building and School Property

The Contractor protects all existing building elements, installations, furniture, equipment, finishes, external areas and utilities not included in the works.

Protection measures include, as applicable:

- covering and protection of existing floors, walls, doors, windows and adjacent finishes;
- protection of furniture, teaching equipment and school assets located near the work area;
- careful execution of dismantling, drilling, cutting and fixing works;
- protection of existing electrical, fire alarm, telecommunication, heating, water supply, drainage and ventilation installations;
- prevention of dust, paint, plaster, adhesive, water or mechanical damage to adjacent areas;
- immediate cleaning of accidental contamination or debris.

Any damage caused by the Contractor to existing property, finishes, equipment, utilities or external areas is repaired or replaced at the Contractor's expense, to the satisfaction of UNICEF and/or the Engineer and the Beneficiary.

#### 13.6 Safety, Dust, Noise and Housekeeping

The Contractor maintains the site in a clean, safe and orderly condition throughout the execution period. Openings, trenches, holes, sharp edges, loose cables, unstable materials, unfinished thresholds and other hazards are to be protected, covered or clearly demarcated. Tools, ladders, scaffolding, electrical equipment and construction materials are secured at the end of each working day.

Dust-generating activities are controlled through appropriate working methods, local protection, cleaning and ventilation of the work area. Noise-generating works are planned and coordinated to reduce disturbance to school activities.

Temporary electrical connections, extension cables and construction equipment are arranged safely, protected from damage and kept away from wet areas and circulation routes. Electrical tools and temporary installations are to be used only in safe working condition.

Daily cleaning is required in and around the working area, including removal of debris, dust and waste from access routes. The Contractor ensures that construction residues are not spread into school circulation areas or occupied spaces.

#### 13.7 Waste Management

Construction and demolition waste is collected, stored and removed in accordance with the approved ESMP, applicable waste management requirements and instructions of UNICEF and/or the Engineer.

Waste is not to be left in areas accessible to students or school staff. Dismantled equipment, packaging, broken materials, sharp objects, used containers and other waste are removed regularly from the site.

Waste removal routes are coordinated with the school administration to avoid conflict with school activities and to maintain clean and safe circulation areas.

#### **13.8 Temporary Facilities and Worker Conduct on Site**

The Contractor provides and maintains all temporary facilities required for safe and proper execution of the works, including storage arrangements, temporary protection, worker access arrangements, cleaning tools and other site organization items.

Workers are allowed only in the areas necessary for the execution of the works. Movement through school areas is limited to agreed access routes. Smoking, alcohol consumption, inappropriate behaviour, unsafe actions and unnecessary interaction with students are not permitted on the school premises.

The Contractor ensures that workers use appropriate personal protective equipment and follow site safety instructions, school access rules and the approved ESMP.

#### **13.9 Communication, Site Control and Reporting**

The Contractor designates a responsible site representative for daily coordination with UNICEF and/or the Engineer and the school administration.

The Contractor is responsible for informing UNICEF and/or the Engineer and the school administration in advance about planned activities that may affect school operation, access routes, utility services, safety conditions or occupied areas.

Any incident, unsafe condition, damage to school property, utility disruption, complaint or situation affecting students, staff or school operation is reported immediately to UNICEF and/or the Engineer.

#### **13.10 Completion of Site Organization Obligations**

At the end of the works, the Contractor removes all temporary site organization elements, barriers, unused materials, debris, waste, temporary fixings and protection materials. All affected areas are cleaned, reinstated and left in safe conditions.

The Contractor's offer is deemed to include all costs related to site organization in an operating school environment, including temporary barriers, signage, protection measures, cleaning, safe access arrangements, material storage, waste handling, coordination measures and all auxiliary works required for safe and complete execution. Additional payment claims for standard site organization measures are not accepted unless they result from an approved variation instructed in writing by UNICEF and/or the Engineer.

### **14. Environmental, Social, Health and Safety Requirements**

#### **14.1 General Requirements**

The Contractor is responsible for implementing the works in accordance with the site-specific Environmental and Social Management Plan (ESMP), applicable occupational health and safety requirements, environmental protection rules, Moldovan legislation, UNICEF requirements and instructions issued by UNICEF and/or the Engineer.

The ESHS requirements apply to all construction activities, including mobilization, dismantling works, material delivery, internal finishing, installation of accessibility elements, WASH equipment installation, electrical/SIP/TS works, ventilation works, waste removal, testing and handover.

The Contractor is required to organize and execute the works in a manner that prevents injury, environmental pollution, damage to property, disruption to school activities and unsafe exposure of pupils, staff, visitors or workers.

#### **14.2 Site-Specific ESMP**

Before commencement of works, the Contractor submits a site-specific ESMP for review and acceptance by UNICEF and/or the Engineer.

The ESMP is to cover, as a minimum:

- site organization and demarcation of working areas;
- safe access routes for workers, materials and waste removal;
- protection of pupils, staff and visitors;
- occupational health and safety measures;
- dust, noise and vibration control;

- waste collection, storage and disposal;
- prevention of pollution and contamination;
- management of hazardous substances, if any;
- emergency preparedness and incident response;
- fire prevention measures;
- grievance mechanism and contact information;
- housekeeping and cleaning arrangements;
- ESHS monitoring and reporting responsibilities.

The ESMP is kept available on site and updated whenever work conditions, phasing, access arrangements or risks change.

#### 14.3 Protection of Pupils, Staff and Visitors

Considering that the works are carried out within an educational institution, particular attention is required to the safety of pupils, teachers, school staff, parents and visitors.

The Contractor provides physical separation between construction areas and school-used areas through barriers, fencing, locked doors, warning signs or other suitable means. Unauthorized access to the work area is not permitted.

Construction activities are organized to avoid unsafe interaction between workers and pupils. Workers are to remain within agreed work areas and access routes. Unnecessary contact with pupils, access to classrooms or movement through school spaces not related to the works is not allowed.

Evacuation routes, emergency exits and access for emergency services are maintained at all times, unless a temporary arrangement has been agreed in advance with UNICEF and/or the Engineer and the school administration.

#### 14.4 Occupational Health and Safety

The Contractor ensures safe working conditions for all workers and personnel involved in the execution of the works.

Occupational health and safety measures include, as applicable:

- use of appropriate personal protective equipment, including helmets, safety footwear, gloves, eye protection, respiratory protection and hearing protection where required;
- safe use of hand tools, power tools, ladders, scaffolds and temporary platforms;
- proper guarding of openings, holes, unfinished edges and level differences;
- safe execution of drilling, cutting, dismantling and fixing works;
- safe handling and lifting of materials and equipment;
- safe electrical working practices and use of protected temporary power supply;
- prevention of slips, trips and falls;
- first aid arrangements on site;
- daily housekeeping of the work area.

Only workers with the necessary skills, authorization and safety awareness are allowed to perform specialized works such as electrical connections, fire alarm works, work at height or operation of power tools.

#### 14.5 Dust, Noise and Vibration Control

The Contractor applies reasonable measures to control dust, noise and vibration generated by the works.

Dust-generating activities are carried out with local protection, controlled working methods and regular cleaning. Dust is not to spread into classrooms, corridors or other school spaces that remain in use.

Noise-generating activities are coordinated with UNICEF and/or the Engineer and the school administration. Where practicable, noisy works are planned outside sensitive school periods, such as lessons, exams or school events.

Cutting, drilling, chasing and demolition works are to be performed carefully to limit unnecessary vibration and avoid damage to existing finishes, utilities and building elements.

#### 14.6 Waste Management

Construction and demolition waste is collected, stored and removed in accordance with the approved ESMP and applicable waste management requirements.

Waste is stored only in agreed locations and is not to obstruct access routes, emergency exits, school circulation areas or areas used by pupils and staff.

The Contractor is responsible for regular removal of waste from the site. Sharp objects, broken materials, packaging, used containers, dismantled equipment and other residues are kept out of reach of pupils and unauthorized persons.

Hazardous or potentially hazardous waste, if generated, is separated, handled and disposed of in accordance with applicable legal requirements and ESMP provisions.

#### 14.7 Pollution Prevention and Material Handling

The Contractor prevents contamination of soil, surfaces, drainage systems, sanitary installations and occupied school areas.

Paints, adhesives, sealants, primers, cleaning products and other materials are stored safely, in closed containers and away from pupils, ignition sources and drainage points. Spillages are cleaned immediately.

Materials are handled and stored in a manner that prevents falling, leakage, dust generation, moisture damage or unauthorized access.

Burning of waste, uncontrolled discharge of liquids, disposal of materials into sanitary systems and uncontrolled storage of chemicals are not permitted.

#### 14.8 Fire Safety and Emergency Preparedness

The Contractor maintains fire safety during the execution of works.

Fire safety measures include, as applicable:

- keeping evacuation routes and emergency exits clear;
- safe storage of flammable materials;
- prohibition of smoking in unauthorized areas;
- safe use of electrical tools and temporary power connections;
- immediate removal of combustible waste;
- availability of basic fire-fighting equipment where required;
- coordination of any temporary disconnection or works affecting fire alarm systems;
- emergency contact information displayed on site.

Any fire alarm system disconnection, relocation or testing is coordinated in advance with UNICEF and/or the Engineer, the school administration and the relevant maintenance/service representative.

#### 14.9 Utility Interruptions and Service Safety

Any planned interruption of water supply, electricity, heating, ventilation, fire alarm, telecommunications or other services is coordinated in advance with UNICEF and/or the Engineer and the school administration.

The Contractor provides information on the expected duration, affected areas and safety measures before any planned interruption. Services are reinstated as soon as possible and checked before the affected areas are returned to use.

Unplanned utility interruption, leakage, electrical fault, fire alarm fault or other unsafe condition is reported immediately and corrected without delay.

#### 14.10 Incident Reporting and Corrective Measures

All incidents, accidents, near misses, unsafe conditions, environmental spills, damage to property, complaints or situations affecting pupils, staff, visitors or workers are reported immediately to UNICEF and/or the Engineer.

The Contractor is responsible for taking immediate corrective measures, securing the affected area and preventing recurrence.

Where required, the Contractor prepares an incident report describing the event, immediate actions taken, root cause, corrective measures and responsible persons.

#### 14.11 Grievance and Communication Arrangements

The Contractor supports the implementation of the project grievance mechanism during the works. Information on how to submit complaints or concerns is displayed at the site in a visible location. The Contractor records and reports any complaint received from school representatives, staff, parents, pupils, neighbours or other affected persons to UNICEF and/or the Engineer.

Complaints related to safety, access, dust, noise, damage, worker conduct or disruption of school activities are addressed promptly and documented.

#### 14.12 ESHS Monitoring and Handover Condition

The Contractor monitors ESHS compliance throughout the execution period and corrects unsafe or non-compliant conditions immediately.

Before handover, the Contractor removes waste, temporary protections, unused materials, temporary facilities and site organization elements. The work areas, adjacent spaces and access routes are cleaned and left safe for school use.

The works are not considered ready for acceptance if waste remains on site, unsafe conditions are present, utilities are not restored, access routes are obstructed, complaints remain unresolved, or ESHS corrective actions requested by UNICEF and/or the Engineer have not been completed.

The Contractor's offer is deemed to include all costs related to implementation of ESHS measures, including site demarcation, warning signs, PPE, cleaning, waste management, temporary protections, emergency arrangements, grievance information, reporting and all auxiliary measures required for safe execution of the works.

## **15. Protection of Existing Property and Utilities**

### **15.1 General Requirements**

The Contractor is responsible for protecting all existing property, building elements, utilities, installations, equipment, finishes and external areas that are not included in the approved scope of works.

Protection measures are to be planned before commencement of works and maintained throughout the execution period. The Contractor is required to verify existing site conditions and identify elements that may be affected by dismantling, drilling, cutting, fixing, routing of cables, installation of equipment, material delivery, waste removal or other construction activities.

Existing property and utilities include, as applicable:

- structural elements, walls, floors, ceilings, stairs, ramps, thresholds and openings;
- doors, windows, glazing, frames, sills and ironmongery;
- internal and external finishes;
- sanitary equipment and plumbing installations;
- electrical installations, distribution boards, switches, sockets and lighting fixtures;
- fire alarm, telecommunications, signalization and low-current systems;
- heating and ventilation installations;
- furniture, teaching equipment and school assets;
- external pavements, access routes, landscaping, fences and adjacent areas;
- any other existing elements located within or near the intervention area.

### **15.2 Verification and Identification of Existing Utilities**

Before starting works, the Contractor verifies the location and condition of existing visible utilities and technical installations in the intervention area.

Where concealed utilities may be affected, the Contractor is responsible for careful checking, tracing and coordination before cutting, drilling, chasing, dismantling or fixing works. Existing routes shown in drawings are to be treated as indicative unless verified on site.

Any uncertainty regarding the location, condition or operation of existing utilities is to be reported to UNICEF and/or the Engineer before proceeding. The Contractor must not interrupt, disconnect, relocate or modify existing utilities without prior coordination and approval.

### **15.3 Protection During Execution**

The Contractor provides suitable temporary protection to prevent damage, contamination or unsafe conditions during execution.

Protection measures include, as applicable:

- covering and protection of floors, walls, doors, windows, frames, furniture and adjacent finishes;
- protection of existing pipes, cables, panels, equipment and accessories;
- temporary barriers or covers around fragile, sensitive or exposed elements;
- careful execution of dismantling, drilling, chasing and cutting works;
- dust and debris control during demolition and finishing works;
- prevention of water, paint, plaster, adhesive, mortar or other material contamination;
- safe handling and movement of materials and equipment through the school premises;
- protection of access routes, corridors, stairs and areas that remain in use.

Protection materials and methods must not create additional hazards, obstruct evacuation routes, damage existing finishes or prevent safe use of areas that remain operational.

#### 15.4 Existing Utilities and Service Continuity

The Contractor is responsible for maintaining the continuity and safe operation of existing utilities serving the school, except where temporary interruption is approved in advance.

Any planned interruption of water supply, drainage, electricity, heating, ventilation, fire alarm, telecommunications, internet, signalization or other services is to be coordinated in advance with UNICEF and/or the Engineer and the school administration.

Temporary interruption of services may be carried out only after agreement on timing, duration, safety measures and reinstatement arrangements. Emergency services, evacuation routes, fire alarm functions and essential school operations are to remain available unless an approved temporary arrangement is in place. Unplanned damage, leakage, power loss, system failure, cable damage or any other service disruption is reported immediately to UNICEF and/or the Engineer and the school administration. The Contractor is responsible for immediate protective action and correction of the issue.

#### 15.5 Damage Prevention and Reinstatement

The Contractor executes all works in a manner that avoids unnecessary damage to existing building elements, finishes, utilities and school property.

Where local opening, chasing, drilling, fixing or dismantling is required by the approved works, the affected areas are reinstated after completion. Reinstatement is to match the surrounding finishes and maintain the technical and functional condition of the affected element.

Any damage caused by the Contractor to existing property, utilities, equipment, finishes or external areas is repaired or replaced at the Contractor's expense. Repairs are to be carried out using materials and workmanship compatible with the existing condition and accepted by UNICEF and/or the Engineer.

The Contractor is not entitled to additional payment for repair of damage caused by its own activities, negligence, poor workmanship, insufficient protection or lack of coordination.

#### 15.6 Protection of Existing Fire Alarm, Electrical, TS and Other Low-Current Systems

Particular attention is required for existing electrical, fire alarm, telecommunications, internet, signalization and other low-current systems located within or near the intervention area.

Before works affecting these systems, the Contractor verifies the existing routes, equipment locations, connection points and operational status. Temporary disconnection, relocation, reconnection or adjustment is allowed only after prior coordination with UNICEF and/or the Engineer, the school administration and the relevant maintenance/service representative, where applicable.

Existing devices, cables, panels and accessories are to be protected against dust, impact, moisture, paint, plaster and mechanical damage. After completion of works, affected systems are checked and restored to operational condition.

#### 15.7 Protection of School Assets and Occupied Areas

Furniture, teaching materials, equipment and other school assets located near the work area are to be removed, relocated or protected before works commence, as agreed with the school administration.

The Contractor is responsible for ensuring that construction activities do not damage or contaminate occupied classrooms, offices, corridors, sanitary spaces, storage rooms or other areas not included in the intervention. Dust, debris and construction materials are not to be allowed to spread into school areas that remain in use. Access routes used by pupils and staff are to be kept clean, safe and unobstructed.

#### 15.8 Inspection and Acceptance

Before handover, the Contractor checks all areas affected by the works and confirms that existing property, utilities, finishes and equipment have been protected, reinstated and left in safe and functional condition.

UNICEF and/or the Engineer may request correction of any damage, unfinished reinstatement, unsafe condition, poor repair, contaminated surface or affected utility before acceptance.

The works are not considered ready for acceptance until all Contractor-caused damage is repaired, temporary protections are removed, affected areas are cleaned and existing utilities and property are restored to proper condition.

## **16. Construction Quality Documentation**

### **16.1 General Requirements**

The Contractor is responsible for preparing, maintaining and submitting all construction quality documentation required for verification, control, acceptance and handover of the works.

Quality documentation is to be prepared in accordance with the approved design documentation, Bills of Materials, applicable Moldovan construction norms and regulations, Codul urbanismului și construcțiilor nr. 434/2023, manufacturer's instructions, UNICEF requirements and directions issued by UNICEF and/or the Engineer.

The documentation must demonstrate that the works have been executed with approved materials, appropriate workmanship, required inspections, proper testing and conformity with the approved technical documentation. Where applicable, the Contractor's quality documentation is to support the preparation and completion of the Technical Book of the construction, reception documentation, hidden works records, test protocols, certificates of conformity and other documents required under the applicable Moldovan construction regulatory framework.

### **16.2 Documentation to Be Maintained During Execution**

The Contractor shall ensure that records to the Works and filing out the construction documentation (rom. Equivalența Cartea tehnică a construcției) are kept up to date. These records shall include labor, plant, material on site, excavation, daily work register, protocol off hidden works, testing protocols, etc. The records shall meet the requirements of Moldovan law as well.

The contractor should prepare and submit to the Engineer before the date of the substantial completion of construction works, the complete set of construction documentation. The content construction documentation should include:

- Construction work authorization.
- Authorization for special water use rights (if applicable);
- Documents regarding the geodetic marking of the site and geodetic work performed during construction.
- Protocols of hidden work and interim acceptance of construction works.
- Construction work logs.
- Construction supervision journal maintained by the design author.
- Specialty work execution logs
- Documents and protocols regarding the control and quality verification of construction and installation works performed by control authorities.
- List of execution schemes for construction and communication installations.
- Protocols of testing of construction elements.
- Protocols of equipment acceptance following testing.
- Protocols of testing for pipelines, systems, and communications.
- Other appropriate documents as may be required according to construction regulation.

The documentation is updated progressively during execution and kept available for review by UNICEF and/or the Engineer.

### **16.3 Material and Equipment Documentation**

Before installation or use, the Contractor submits relevant documentation for materials and equipment, including technical data sheets, certificates of conformity, declarations of performance where applicable, manufacturer's instructions, warranties and other supporting documents required to confirm compliance with the approved design and specifications.

This applies, as applicable, to construction materials, finishing materials, doors, floor finishes, tactile elements, sanitary equipment, accessibility accessories, electrical materials, SIP devices, TS equipment, ventilation equipment and any other supplied items.

Materials and equipment without appropriate documentation, unclear origin, visible defects or inconsistency with the approved technical requirements are not accepted for installation.

### **16.4 Inspection Requests and Hidden Works Records**

The Contractor is responsible for requesting inspection of works before covering, closing or concealing any element that will no longer be visible after subsequent works.

Hidden works may include, as applicable:

- substrate preparation before floor build-up;
- vapour barrier and insulation layers;
- levelling layers before final floor finishes;

- embedded cables, conduits and wall chases;
- concealed electrical, SIP and TS routes;
- ventilation openings, ducts and concealed connections;
- fixing details for support bars, sanitary accessories or other load-bearing mounted elements;
- any other works that require verification before being covered.

Hidden works are not to be covered before inspection and acceptance by the Engineer and, where required, by the responsible technical specialists. Hidden works records are prepared, signed and kept as part of the construction quality documentation in accordance with the applicable Moldovan construction procedures.

#### 16.5 Testing, Commissioning and Verification Records

The Contractor prepares and submits testing and commissioning records for all works and systems requiring functional verification.

Testing and commissioning records include, as applicable:

- verification of floor levels, transitions and accessibility conditions;
- inspection of doors, thresholds and hardware operation;
- testing of sanitary equipment, taps, drainage and leak-tightness;
- operational testing of hand dryers and related electrical connections;
- testing of emergency assistance/call button and related visual/sound alarm elements;
- electrical testing and verification records;
- SIP testing and commissioning protocols;
- TS testing and verification protocols;
- ventilation testing and operational checks;
- verification of installed tactile, visual and accessibility elements;
- any other tests required by the approved documentation, applicable norms or manufacturer's instructions.

Any faults, defects, failed tests or incomplete commissioning items are corrected and retested before handover.

#### 16.6 Non-Conformities and Corrective Actions

The Contractor records and corrects all non-conformities identified during execution, inspections, testing or pre-handover review.

Non-conformities may include incorrect materials, poor workmanship, missing documentation, damaged equipment, defective installation, incorrect positioning, non-compliant dimensions, unsafe conditions, failed tests or works inconsistent with the approved documentation.

Corrective actions are implemented at the Contractor's expense where the issue results from the Contractor's work, materials, coordination failure or non-compliance. Corrected works are subject to reinspection and, where applicable, retesting.

#### 16.7 Photo Documentation

The Contractor prepares photo documentation of relevant work stages, especially before, during and after execution of works that will later become concealed or difficult to verify.

Photo records should cover, as applicable:

- existing conditions before intervention;
- dismantling and preparatory works;
- hidden works before covering;
- installation of key materials and equipment;
- accessibility elements and WASH equipment;
- electrical, SIP, TS and ventilation works;
- completed finishes and final installation condition;
- defects and corrective actions, where applicable.

Photo documentation is organized clearly and submitted as part of the quality documentation package when requested by UNICEF and/or the Engineer.

#### 16.8 As-Built Information

Where the executed works differ from the approved drawings due to approved site adjustments, the Contractor prepares as-built information or marked-up drawings showing the final executed condition.

As-built information is required, as applicable, for:

- cable routes and equipment locations;

- SIP and TS device locations;
- ventilation openings, ducts and equipment;
- sanitary equipment and related connection points;
- accessibility equipment and support bars;
- any approved adjustment affecting future operation, maintenance or inspection.

As-built information is submitted before handover and must be consistent with the actual executed works.

#### **16.9 Handover Documentation Package**

Before requesting final inspection, reception or handover, the Contractor submits a complete quality documentation package.

The package includes, as applicable:

- list of completed works;
- material and equipment certificates;
- technical data sheets and manufacturer's instructions;
- warranties for supplied equipment and materials;
- hidden works records;
- inspection records;
- test and commissioning protocols;
- as-built information or marked-up drawings;
- operation and maintenance instructions for installed equipment;
- photo documentation;
- records of completed corrective actions;
- documents required for completion of the Technical Book of the construction, where applicable;
- documents required for reception at completion or other acceptance procedures under the applicable Moldovan construction regulatory framework;
- any other documentation required by UNICEF and/or the Engineer.

The handover documentation is to be complete, organized, legible and submitted in the format requested by UNICEF and/or the Engineer.

#### **16.10 Acceptance Condition**

The works are not considered ready for acceptance if required quality documentation is missing, incomplete, inconsistent with the executed works or not accepted by UNICEF and/or the Engineer.

Submission of quality documentation does not relieve the Contractor from responsibility for the quality, safety, completeness and conformity of the executed works.

The Contractor's offer is deemed to include all costs related to preparation, maintenance, updating and submission of construction quality documentation, including inspections, records, hidden works documentation, test protocols, certificates, as-built information, photo documentation, Technical Book inputs and handover files required for proper acceptance of the works in accordance with the approved documentation and applicable Moldovan construction regulations.

### **17. Cleaning, Reinstatement and Site Handover**

Upon completion of the works, the Contractor shall remove all construction waste, temporary facilities, unused materials, tools and equipment from the site.

All affected areas shall be cleaned, repaired and reinstated.

The adapted spaces shall be delivered clean, safe, functional, accessible and ready for use.

Before Substantial Completion, the Contractor shall complete all testing, commissioning, corrections and snagging works required by UNICEF and/or the Engineer/Supervisor.

### **18. Substantial Completion of Works**

#### **18.1 General Requirements**

Substantial Completion represents the stage at which the works are completed to a condition that allows safe, functional and intended use of the rehabilitated areas, subject only to minor defects or outstanding items that do not prevent use, operation, safety, accessibility or compliance with the approved documentation.

Substantial Completion is established in accordance with the Contract, applicable Moldovan construction regulations, including Codul urbanismului și construcțiilor nr. 434/2023, UNICEF requirements and instructions issued by UNICEF and/or the Engineer.

Substantial Completion does not relieve the Contractor from the obligation to correct defects, complete outstanding items, submit required documentation or comply with the Defects Liability Period obligations.

#### **18.2 Conditions for Substantial Completion**

The works may be considered substantially complete only when the following conditions are met, as applicable:

- all main construction, finishing, accessibility, WASH, electrical, SIP, TS and ventilation works are completed in accordance with the approved documentation;
- all installed equipment, accessories and systems are operational, tested and safe for use;
- access routes, ramps, thresholds, tactile elements and accessibility measures are complete, safe and unobstructed;
- sanitary equipment, support bars, emergency assistance/call button and related signalization elements are installed and functional;
- SIP, TS, electrical and ventilation systems are tested, labelled and operational;
- all works are cleaned, reinstated and free from construction waste;
- temporary site organization elements are removed, except those required for correction of minor outstanding items;
- all major defects affecting safety, functionality, accessibility, quality or use have been corrected;
- required testing, commissioning and quality documentation has been submitted;
- the areas are safe for use by pupils, staff and visitors.

#### **18.3 21.3 Inspection and Defect List**

When the Contractor considers that the works have reached Substantial Completion, the Contractor submits a written request for inspection to UNICEF and/or the Engineer, accompanied by the required quality and handover documentation.

UNICEF and/or the Engineer may inspect the works and prepare a list of defects, omissions or outstanding items to be corrected before Substantial Completion, depending on their nature and impact.

Items affecting safety, accessibility, operation of systems, protection of users or compliance with the approved documentation are to be corrected before Substantial Completion is accepted.

#### **18.4 Confirmation of Substantial Completion**

Substantial Completion is confirmed only after UNICEF and/or the Engineer accepts that the works are complete, functional, safe, clean, documented and suitable for intended use.

The date of Substantial Completion, once confirmed, may be used as the starting point for the Defects Liability Period, subject to the provisions of the Contract.

Confirmation of Substantial Completion does not replace or remove any formal reception, commissioning, Technical Book or other documentation requirements that may be required under the applicable Moldovan construction regulatory framework.

### **19. Defects Liability Period**

#### **19.1 General Requirements**

The Defects Liability Period (DLP) represents the period after Substantial Completion during which the Contractor remains responsible for correcting defects, failures, omissions or non-conformities identified in the completed works.

The duration of the DLP is defined in the Contract. Unless otherwise stated in the Contract, the DLP starts from the confirmed date of Substantial Completion.

The DLP applies to all works executed by the Contractor, including civil works, finishes, accessibility elements, WASH equipment, electrical installations, SIP, TS, ventilation works, doors, fixtures, accessories and any other materials or equipment supplied and installed under the Contract.

The DLP obligations are implemented in accordance with the Contract, approved design documentation, applicable Moldovan construction regulations, including Codul urbanismului și construcțiilor nr. 434/2023, manufacturer warranties, UNICEF requirements and instructions issued by UNICEF and/or the Engineer.

#### **19.2 Contractor's Responsibility During DLP**

During the DLP, the Contractor is responsible for correcting, at its own cost, any defect or malfunction resulting from:

- poor workmanship;
- defective or non-compliant materials;
- improper installation;
- incomplete works;
- failure to follow the approved design documentation;
- failure to follow manufacturer's instructions;
- poor coordination between works or systems;
- hidden defects that become visible during use;
- any other deficiency attributable to the Contractor's execution.

The Contractor remains responsible for the quality, stability, functionality, safety, accessibility and durability of the completed works throughout the DLP.

Defects caused by improper use, vandalism, lack of routine maintenance by the Beneficiary, third-party intervention or events outside the Contractor's responsibility are to be assessed separately by UNICEF and/or the Engineer before determining responsibility.

#### 19.3 Defect Notification and Response

Defects identified during the DLP may be notified by UNICEF, the Engineer, the Beneficiary or school administration.

Upon receipt of a defect notification, the Contractor is required to inspect the issue, identify the cause and propose the corrective measure within the timeframe indicated by UNICEF and/or the Engineer.

Urgent defects affecting safety, accessibility, sanitary use, electrical safety, fire alarm operation, emergency assistance/call systems, water leakage or school operation are to be addressed immediately or within the shortest practicable timeframe agreed with UNICEF and/or the Engineer.

Non-urgent defects are corrected within an agreed reasonable timeframe, considering the nature of the defect, availability of materials and impact on school operation.

#### 19.4 Correction of Defects

Defect correction works are executed using materials, equipment and workmanship at least equivalent to those originally approved and installed.

Corrective works are to be coordinated with UNICEF and/or the Engineer and the school administration, especially where access to occupied school areas is required.

The Contractor is responsible for all activities necessary to complete the correction, including:

- inspection and diagnosis of the defect;
- dismantling or removal of defective elements;
- supply of replacement materials or equipment;
- repair or replacement works;
- testing and functional verification;
- cleaning and reinstatement of affected areas;
- updating of documentation, where applicable.

Corrective works must not create new damage, unsafe conditions, disruption to school activities or loss of functionality in other completed areas.

#### 19.5 Access During DLP

The Contractor is granted reasonable access to the site for inspection and correction of defects, subject to prior coordination with UNICEF and/or the Engineer and the school administration.

Access arrangements are to respect school operation, child safety requirements, security rules and any instructions issued by the Beneficiary.

Workers attending the site during the DLP remain subject to the same conduct, safety, ESHS and protection requirements applicable during the execution period.

#### 19.6 Testing After Defect Correction

After correction of defects, the Contractor performs the necessary testing, inspection and functional verification to confirm that the corrected works are complete, safe and operational.

Testing may include, as applicable:

- verification of repaired finishes, floors, doors, thresholds and accessibility elements;
- leak testing of sanitary equipment and drainage connections;
- functional testing of hand dryers and electrical accessories;
- functional testing of emergency assistance/call button and related visual/sound alarm elements;
- SIP testing where defects relate to fire alarm devices, cabling, panel indication or alarm interfaces;
- TS testing where defects relate to data, TV or signalization elements;
- ventilation testing where defects relate to ventilation equipment or connections;
- verification of stability and fixing of support bars, mirrors, fixtures and accessories.

Corrected works are subject to acceptance by UNICEF and/or the Engineer.

#### **19.7 Documentation During DLP**

The Contractor maintains records of all defects notified and corrective actions completed during the DLP.

DLP documentation includes, as applicable:

- defect notification records;
- inspection findings;
- proposed corrective measures;
- dates of corrective works;
- materials or equipment replaced;
- testing and verification records;
- photo documentation before and after correction;
- updated warranties or manuals, where equipment is replaced;
- confirmation of completion of corrective actions.

All relevant DLP documentation is submitted to UNICEF and/or the Engineer before Final Completion.

#### **19.8 Defects Liability Bank Guarantee**

Where required by the Contract, the Contractor provides and maintains a Defects Liability Bank Guarantee for the amount and duration specified in the Contract.

The Bank Guarantee is maintained valid until completion of the DLP and acceptance of all defect correction obligations, unless otherwise stated in the Contract.

Release of the Defects Liability Bank Guarantee may be considered only after expiry of the DLP, correction of all notified defects, submission of required documentation and confirmation of Final Completion by UNICEF and/or the Engineer.

#### **19.9 End of DLP**

At the end of the DLP, the Contractor may request a final inspection of the completed works.

Before Final Completion, the Contractor ensures that:

- all notified defects have been corrected;
- all punch list items remaining from Substantial Completion have been completed;
- all corrected works have been tested and accepted;
- affected areas have been cleaned and reinstated;
- all DLP documentation has been submitted;
- no outstanding Contractor obligations remain.

The expiry of the DLP does not release the Contractor from unresolved defects notified during the DLP, nor from longer-term warranties, manufacturer guarantees, statutory liabilities or obligations provided under the Contract and applicable Moldovan legislation.

### **20. Final Completion**

#### **20.1 General Requirements**

Final Completion represents the stage reached after expiry of the Defects Liability Period, when all defects, omissions and outstanding obligations identified during execution, Substantial Completion, handover or the Defects Liability Period have been corrected by the Contractor and accepted by UNICEF and/or the Engineer.

Final Completion is established in accordance with the Contract, approved documentation, applicable Moldovan construction regulations, UNICEF requirements and instructions issued by UNICEF and/or the Engineer.

#### 20.2 Conditions for Final Completion

The works may be considered finally complete only when the following conditions are met, as applicable:

- the Defects Liability Period has expired;
- all defects notified during the Defects Liability Period have been corrected;
- all punch list items from Substantial Completion have been completed;
- corrected works have been inspected and accepted by UNICEF and/or the Engineer;
- all installed systems and equipment remain functional and safe;
- no outstanding safety, accessibility, operational or quality issues remain;
- all required final documentation, warranties, manuals, test records and as-built information have been submitted or updated;
- the areas affected by defect correction works have been cleaned and reinstated.

Final Completion is not accepted if defects remain unresolved, systems are not operational, documentation is incomplete, or any Contractor obligation related to the works remains outstanding.

#### 20.3 Final Inspection

Before Final Completion, the Contractor requests a final inspection by UNICEF and/or the Engineer.

The final inspection verifies, as applicable:

- condition of completed works after the Defects Liability Period;
- correction of defects and punch list items;
- functionality of installed WASH, electrical, SIP, TS and ventilation systems;
- condition of accessibility elements, ramps, tactile markings, doors, thresholds and support accessories;
- condition of finishes, fixtures and installed equipment;
- completeness of final documentation;
- cleanliness and reinstatement of any areas affected by corrective works.

Any remaining defects or incomplete items identified during final inspection are corrected by the Contractor before Final Completion is confirmed.

#### 20.4 Confirmation of Final Completion

Final Completion is confirmed only after UNICEF and/or the Engineer accepts that all contractual, technical, quality, documentation and defect correction obligations have been fulfilled.

Where applicable, Final Completion supports closure of the Contractor's obligations related to the Defects Liability Period and may serve as the basis for release of the Defects Liability Bank Guarantee, subject to the Contract conditions.

Confirmation of Final Completion does not affect any longer-term warranties, manufacturer guarantees, statutory liabilities or obligations established under applicable Moldovan legislation and the Contract.

### **Bill of Quantities**

#### **General requirements and instructions**

Bidders are encouraged to visit the site before submitting their offer in order to familiarize themselves with the actual site conditions, access arrangements, operational school environment, existing utilities and any constraints that may affect the pricing and execution of the works.

The BoQ must be prepared with precision and clarity, reflecting all items required for the completion of the project as specified in the BOQ, design documentation and specifications.

Ensure that the fulfilment of the BoQ is done in parallel with a detailed consultation of the design documentation, including drawings and specifications. Cross-reference each item in the BoQ with the relevant sections of the design documents to ensure accuracy and consistency. Ensure that all measurements are in the appropriate units as specified in the BoQ template. Refer to the material specifications outlined in the design documentation to accurately list the materials required for each item. Ensure that all materials meet the specified standards and quality requirements.

Any ambiguity, discrepancy or inconsistency between the BoQ, drawings, specifications or site conditions is to be clarified before submission of the offer.

Submission of an offer confirms that the Bidder has reviewed the site conditions, BoQ, design documentation and execution constraints, and has included all requirements necessary for complete and functional execution of the works.

**Product Alternatives:**

- If a specific brand or model is specified in the BoQ or design documentation, this specification is indicative and not restrictive. Alternative products that match or exceed the specified technical characteristics and quality standards can be proposed.
- Ensure that any proposed alternative products fully comply with the Design specifications.

**Final Note:**

The Contractor's offer must comprehensively cover all necessary works, equipment, and associated tasks for the complete supply, installation, and testing of the works, leaving no aspect unaddressed, even if these items are not specifically described in the BoQ.

**2-1-1 Architectural Constructive Solutions**

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor                                                                                                                                                                                                                                                                           | Unitatea de măsură | Volum    |
|---------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|
| 1       | 2                           | 3                                                                                                                                                                                                                                                                                             | 4                  | 5        |
|         |                             | <b>Capitolul 1. Cota 0.000</b>                                                                                                                                                                                                                                                                |                    |          |
|         |                             | <b>Capitolul 1.1. Demolari</b>                                                                                                                                                                                                                                                                |                    |          |
| 1       | RpCK42A                     | Desfacerea sapei de mortar de ciment                                                                                                                                                                                                                                                          | m2                 | 65,0000  |
| 2       | RpCK42A k=0,5               | Demontarea straturilor existente a pardoselii incaperilor de la etajul cladirii (termoizolant, diverse materiale)                                                                                                                                                                             | m2                 | 65,0000  |
| 3       | RpCO56A                     | Demontari: timplarie - usi                                                                                                                                                                                                                                                                    | m2                 | 12,0000  |
| 4       | RpCJ35A                     | Desfaceri de tencuieli ale peretilor interiori                                                                                                                                                                                                                                                | m2                 | 100,0000 |
| 5       | RpCK41C                     | Desfacerea pardoselilor din linoleum                                                                                                                                                                                                                                                          | m2                 | 65,0000  |
| 6       | RpVA35A                     | Demontarea canalelor de ventilatie din tabla neagra, zincata sau aluminiiu, avind perimetrul sectiunii rectangulare sau circulare de 250 - 700 mm                                                                                                                                             | m2                 | 6,5000   |
| 7       | RpIB12B                     | Demontari calorifere                                                                                                                                                                                                                                                                          | buc                | 6,0000   |
| 8       | RpEF23A                     | Demontari de corpuri de iluminat orice tip, inclusiv tije si globurile                                                                                                                                                                                                                        | buc                | 8,0000   |
|         |                             | <b>Capitolul 1.2. Marcaj tactil</b>                                                                                                                                                                                                                                                           |                    |          |
| 9       | CI17A                       | Montarea marcajului tactil M-1, AxBxC 400x400x0,8 mm - 30 buc.                                                                                                                                                                                                                                | m2                 | 4,8000   |
| 10      | CI17A                       | Montarea marcajului tactil M-2, AxBxC 150x600x0,8 mm - 120 buc.                                                                                                                                                                                                                               | m2                 | 10,8000  |
|         |                             | <b>Capitolul 1.3. Tamplarie</b>                                                                                                                                                                                                                                                               |                    |          |
| 11      | CK21A                       | Usi confectionate din profiluri din aluminiu cu bariere termica, latime profil cel putin 8 cm, cu geam termopan LowE 32 mm, maner cromat - 2 buc., lungime pana la 2 m, la constructii cu inaltimea pina la 35 m inclusiv, intr-un canat, cu suprafata tocului pina la 7 mp inclusiv (1 buc.) | m2                 | 2,5000   |
| 12      | CK33A                       | Dispozitiv automat pentru inchiderea usilor                                                                                                                                                                                                                                                   | buc                | 1,0000   |
| 13      | CK11B                       | Vitrine gata confectionate, montate in zidarie de orice natura, cu suprafata intre 7,5-10,0 mp la constructii montate la inaltime de pina la 5 m inclusiv, din aluminiu (Profil latime cel putin 5 cm, geam termopan LowE 32 mm)                                                              | m2                 | 8,0000   |
| 14      | CK26C                       | Pervazuri montate la ferestre sau usi din mase plastice (l=0,3 m, grosimea 2 cm, culoare alba)                                                                                                                                                                                                | m                  | 8,0000   |
|         |                             | <b>Capitolul 1.4. Finisare pereti</b>                                                                                                                                                                                                                                                         |                    |          |
| 15      | CN53A                       | Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2                                                                                                                                                                                                                                     | m2                 | 90,0000  |
| 16      | CC03A                       | Montare plase sudate la inaltime mai mici sau egale cu 35 m, la pereti si diafragme, cu greutatea plaselor pina la 3 kg/mp VR1-d4 mm 150x150                                                                                                                                                  | kg                 | 135,0000 |

| 1  | 2          | 3                                                                                                                                                                                                                                                             | 4  | 5        |
|----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------|
| 17 | CF02A      | Tencuieli interioare de 2 cm grosime, driscuite, executate manual, la pereti sau stilpi, pe suprafete plane cu mortar var-ciment marca M 25-T pentru sprit si mortar M 10-T pentru grund si stratul vizibil, pe zidarie de caramida sau blocuri mici de beton | m2 | 90,0000  |
| 18 | CF17B k=6  | Diverse lucrari - diferenta de grosime, +/- 5 mm la stratul de grund aplicat la pereti, executat cu mortar                                                                                                                                                    | m2 | 90,0000  |
| 19 | CN53A      | Grunduirea suprafetelor interioare a peretilor                                                                                                                                                                                                                | m2 | 90,0000  |
| 20 | CF17C      | Diverse lucrari - strat de impaslitura din fibra de sticla aplicat pe suprafata elementelor prefabricate din b.c.a. lipit cu aracet, inclusiv stratul de amorsaj                                                                                              | m2 | 90,0000  |
| 21 | CF50B      | Tencuieli interioare de 5 mm grosime, executate manual, cu amestec uscat pe baza de ipsos, la pereti si pereti despartitori, preparare manuala a mortarului.                                                                                                  | m2 | 90,0000  |
| 22 | CN53A      | Grunduirea suprafetelor interioare a peretilor                                                                                                                                                                                                                | m2 | 90,0000  |
| 23 | CF57A      | Aplicarea manuala a chitului pe baza de ipsos "Eurofin" grosime 1,0 mm pe suprafetele peretilor, coloanelor si tavanelor                                                                                                                                      | m2 | 90,0000  |
| 24 | CF56A      | Aplicarea manuala a chitului pentru lucrari la interior "Sheetrok" grosime 0,5 mm pe suprafetele peretilor, coloanelor si tavanelor                                                                                                                           | m2 | 90,0000  |
| 25 | CN53A      | Grunduirea suprafetelor interioare a peretilor                                                                                                                                                                                                                | m2 | 90,0000  |
| 26 | CN06A      | Vopsitorii interioare cu vopsea pe baza de copolimeri vinilici in emulsie apoasa, aplicate in 2 straturi pe glet existent, executate manual                                                                                                                   | m2 | 90,0000  |
|    |            | <b>Capitolul 1.5. Finisare tavan</b>                                                                                                                                                                                                                          |    |          |
| 27 | CK29F      | Tavane suspendate din panouri prefabricate "Armstrong (600 x 600 mm)", inclusiv sistemul-grila                                                                                                                                                                | m2 | 55,0000  |
|    |            | <b>Capitolul 1.6. Finisare pardosea</b>                                                                                                                                                                                                                       |    |          |
|    |            | <b>Capitolul 1.6.1. P-1</b>                                                                                                                                                                                                                                   |    |          |
| 28 | IzF04J1    | Folie PE                                                                                                                                                                                                                                                      | m2 | 65,0000  |
| 29 | IzF10A     | Strat termoizolator din cimentoplast grosimea 10 cm                                                                                                                                                                                                           | m2 | 55,0000  |
| 30 | CG01A      | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin                                                                                                                                                    | m2 | 55,0000  |
| 31 | CG01A1 k=6 | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin. Diferenta in plus sau in minus pentru fiecare 0,5 cm de strat suport din mortar M 200, se adauga sau se scade                                     | m2 | 55,0000  |
| 32 | CG56B      | Sapa din amestec de autonivelare "Nivelir": grosime 20 mm                                                                                                                                                                                                     | m2 | 55,0000  |
| 33 | CG36A      | Pardoseli din placi laminat montale pe uscat cu pozarea stratului sintetic pe suport existent, inclusiv plintele de lemn si curatarea, in incaperi mai mare de 16 mp (Laminat grosime 10 mm, clasa de trafic C33, Plinte PVC)                                 | m2 | 55,0000  |
|    |            | <b>Capitolul 1.6.2. P-2</b>                                                                                                                                                                                                                                   |    |          |
| 34 | CN53A      | Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2                                                                                                                                                                                                     | m2 | 11,0000  |
| 35 | CG47D      | Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600 mm                                                                                                                                          | m2 | 11,0000  |
|    |            | <b>Capitolul 1.7. Balustrada metalica B-1</b>                                                                                                                                                                                                                 |    |          |
| 36 | CL18A      | Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton                                                                                                  | kg | 101,8000 |
| 37 | IzD03A     | Vopsirea confectiilor si constructiilor metalice cu un strat de vopsea de miniu de plumb, executate din profile, cu grosimi intre 8 mm si 12 mm inclusiv, cu pensula de mina                                                                                  | t  | 0,1020   |
| 38 | IzD04A     | Vopsirea confectiilor si constructiilor metalice cu vopsea de ulei in 2 straturi, executate din profile, cu                                                                                                                                                   | t  | 0,1020   |

| 1  | 2             | 3                                                                                                                                                                                                                                              | 4      | 5       |
|----|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
|    |               | grosimi între 8 mm și 12 mm inclusiv, cu pensula de mina                                                                                                                                                                                       |        |         |
| 39 | pret de piata | Element decorativ 50x50x50h                                                                                                                                                                                                                    | buc    | 16,0000 |
| 40 | pret de piata | Element decorativ 80x80x30h                                                                                                                                                                                                                    | buc    | 8,0000  |
|    |               | <b>Capitolul 1.8. Rampa monolita Rm-1, Rm-2</b>                                                                                                                                                                                                |        |         |
| 41 | RpCA01A       | Sapaturi manuale de pamint in spatii limitate, avind sub 1,00 m latime si maximum 1,5 m adancime, cu taluz vertical, pentru gropi poligonale de fundatii, santuri, canale etc., executate in cantitati de pina la 20 mc cu maluri nesprijinite | m3     | 1,0000  |
| 42 | TsC54C        | Strat de fundatie din pietris                                                                                                                                                                                                                  | m3     | 0,2500  |
| 43 | CC01E         | Armaturi din otel beton OB 37 fasonate in ateliere de santier si montate cu diametrul barelor pina la 8 mm inclusiv in fundatii continue si radiere                                                                                            | kg     | 13,3200 |
| 44 | CA03F         | Beton simplu turnat cu mijloace clasice, in fundatii clasa C16/20                                                                                                                                                                              | m3     | 0,8000  |
| 45 | CB03A         | Cofraje din panouri re folosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineti, fundatii pahar si fundatii de utilaje inclusiv sprijinirile                                                                                       | m2     | 3,2000  |
| 46 | CG47D         | Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm                                                                                                           | m2     | 10,0000 |
|    |               | <b>Capitolul 2. Cota 0.200 (Galerie)</b>                                                                                                                                                                                                       |        |         |
|    |               | <b>Capitolul 2.1. Demolari</b>                                                                                                                                                                                                                 |        |         |
| 47 | RpCO56A       | Demontari: timplarie PVC                                                                                                                                                                                                                       | m2     | 22,0000 |
| 48 | RpCB18F       | Demolarea betoanelor vechi cu mijloace mecanice, beton simplu                                                                                                                                                                                  | m3     | 1,5000  |
| 49 | RpCS19A       | Demontari: pavaj acces pietonal                                                                                                                                                                                                                | m2     | 8,0000  |
| 50 | RpCK42C       | Desfacerea pardoselilor gresie                                                                                                                                                                                                                 | m2     | 65,0000 |
| 51 | RpCK42A       | Desfacerea sapei de mortar de ciment                                                                                                                                                                                                           | m2     | 65,0000 |
| 52 | RpCK42A k=0,5 | Demontarea straturilor existente a pardoselii incaperilor de la etajul cladirii (termoizolant, diverse materiale)                                                                                                                              | m2     | 65,0000 |
| 53 | TsC18A1       | Sapatura mecanica cu buldozer pe tractor pe senile de 65-80 CP, inclusiv impingerea pamintului pina la 10 m, in teren catg. 1                                                                                                                  | 100 m3 | 0,1200  |
| 54 | TsC22A1       | Spor la consumurile de ore-utilaj din art. TsC18, TsC19, TsC20 si TsC21, pentru transportul pamintului pe fiecare 10 m in plus, peste distanta prevazuta la articolele respective TSC18A1 teren catg. I                                        | 100 m3 | 0,1200  |
| 55 | TsA20B        | Sapatura manuala de pamint, in taluzuri, la deblee sapate cu excavator sau screper, pentru completarea sapaturii la profilul taluzului, in teren mijlociu                                                                                      | m3     | 0,2000  |
| 56 | TsI50A5       | Transportarea pamintului cu autobasculanta de 5 t la distanta de 5 km                                                                                                                                                                          | t      | 22,2000 |
| 57 | TsC51B        | Lucrari la descarcarea pamintului in depozit, teren categoria II                                                                                                                                                                               | 100 m3 | 0,1200  |
| 58 | TsD05B        | Compactarea cu maiul mecanic de 150-200 kg a umpluturilor in straturi succesive de 20-30 cm grosime, exclusiv udarea fiecarui strat in parte, umpluturile executindu-se din pamint coeziv                                                      | 100 m3 | 0,0500  |
|    |               | <b>Capitolul 2.2. Marcaj tactil</b>                                                                                                                                                                                                            |        |         |
| 59 | CI17A         | Montarea marcajului tactil M-1, AxBxC 400x400x0,8 mm - 10 buc.                                                                                                                                                                                 | m2     | 1,6000  |
| 60 | CI17A         | Montarea marcajului tactil M-2, AxBxC 150x600x0,8 mm - 40 buc.                                                                                                                                                                                 | m2     | 3,6000  |
|    |               | <b>Capitolul 2.3. Tamplarie</b>                                                                                                                                                                                                                |        |         |
| 61 | CK21A         | Usi confectionate din profiluri din aluminiu cu bariere termica, latime profil cel putin 8 cm, cu geam termopan LowE 32 mm, maner cromat - 2 buc., lungime pana la 2 m, la constructii cu inaltimea pina                                       | m2     | 8,4000  |

| 1  | 2             | 3                                                                                                                                                                                                                                | 4   | 5        |
|----|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
|    |               | la 35 m inclusiv, intr-un canat, cu suprafata tocului pina la 7 mp inclusiv (2 buc.)                                                                                                                                             |     |          |
| 62 | CK33A         | Dispozitiv automat pentru inchiderea usilor                                                                                                                                                                                      | buc | 2,0000   |
| 63 | CK11B         | Vitrine gata confectionate, montate in zidarie de orice natura, cu suprafata intre 7,5-10,0 mp la constructii montate la inaltime de pina la 5 m inclusiv, din aluminiu (Profil latime cel putin 5 cm, geam termopan LowE 32 mm) | m2  | 15,6000  |
|    |               | <b>Capitolul 2.4. Pardosea P-2</b>                                                                                                                                                                                               |     |          |
| 64 | IzF04J1       | Folie PE                                                                                                                                                                                                                         | m2  | 7,0000   |
| 65 | IzF10A        | Strat termoizolator din cimentoplast grosimea 5 cm                                                                                                                                                                               | m2  | 7,0000   |
| 66 | CG01A         | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin                                                                                                                       | m2  | 7,0000   |
| 67 | CG01A1 k=6    | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin. Diferenta in plus sau in minus pentru fiecare 0,5 cm de strat suport din mortar M 200, se adauga sau se scade        | m2  | 7,0000   |
| 68 | CG47D         | Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600 mm                                                                                                             | m2  | 7,0000   |
|    |               | <b>Capitolul 2.5. Balustrada metalica B-2</b>                                                                                                                                                                                    |     |          |
| 69 | CL18A         | Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton                                                                     | kg  | 271,0600 |
| 70 | IzD03A        | Vopsirea confectiilor si constructiilor metalice cu un strat de vopsea de miniu de plumb, executate din profile, cu grosimi intre 8 mm si 12 mm inclusiv, cu pensula de mina                                                     | t   | 0,2711   |
| 71 | IzD04A        | Vopsirea confectiilor si constructiilor metalice cu vopsea de ulei in 2 straturi, executate din profile, cu grosimi intre 8 mm si 12 mm inclusiv, cu pensula de mina                                                             | t   | 0,2711   |
| 72 | pret de piata | Element decorativ 50x50x50h                                                                                                                                                                                                      | buc | 40,0000  |
| 73 | pret de piata | Element decorativ 80x80x30h                                                                                                                                                                                                      | buc | 20,0000  |
|    |               | <b>Capitolul 2.6. Rampa monolita Rm-2</b>                                                                                                                                                                                        |     |          |
| 74 | TsC54C        | Strat de fundatie din pietris                                                                                                                                                                                                    | m3  | 1,0000   |
| 75 | CC01E         | Armaturi din otel beton OB 37 fasonate in ateliere de santier si montate cu diametrul barelor pina la 8 mm inclusiv in fundatii continue si radiere                                                                              | kg  | 88,0300  |
| 76 | CC01F         | Armaturi din otel beton OB 37 fasonate in ateliere de santier si montate cu diametrul barelor peste 8 mm inclusiv in fundatii continue si radiere                                                                                | kg  | 176,4600 |
| 77 | CA02C         | Beton simplu turnat in fundatii clasa C8/10                                                                                                                                                                                      | m3  | 1,0000   |
| 78 | CB03A         | Cofraje din panouri refolosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineti, fundatii pahar si fundatii de utilaje inclusiv sprijinirile                                                                          | m2  | 14,3000  |
| 79 | CA03F         | Beton simplu turnat cu mijloace clasice, in fundatii clasa C30/37 XF3                                                                                                                                                            | m3  | 6,0000   |
| 80 | RpCA06A       | Umplutura de pamint, executata in straturi orizontale de 20-30 cm grosime, udata si batuta bine cu maiul de mina si in cantitati de pina la 20 mc, la un punct de lucru, inclusiv imprastierea pamintului in straturi            | m3  | 2,0000   |
| 81 | IzF53A        | Executarea manuala a suportului pardoselii cu strat termoizolant din placi extrudate de polistiren inspumat, grosime 30 mm, intr-un strat                                                                                        | m2  | 5,0000   |
| 82 | CG01A         | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin                                                                                                                       | m2  | 65,0000  |
| 83 | CG01A1 k=2    | Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin. Diferenta in plus sau in minus pentru fiecare 0,5                                                                    | m2  | 65,0000  |

| 1   | 2             | 3                                                                                                                                                                                                                                                                                                                                                      | 4   | 5        |
|-----|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
|     |               | cm de strat suport din mortar M 200, se adauga sau se scade                                                                                                                                                                                                                                                                                            |     |          |
| 84  | CG47D         | Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm                                                                                                                                                                                                                   | m2  | 77,0000  |
|     |               | <b>Capitolul 2.7. Balustrada metalica B-3</b>                                                                                                                                                                                                                                                                                                          |     |          |
| 85  | CL18A         | Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton                                                                                                                                                                                           | kg  | 256,2000 |
| 86  | IzD03A        | Vopsirea confectiilor si constructiilor metalice cu un strat de vopsea de miniu de plumb, executate din profile, cu grosimi intre 8 mm si 12 mm inclusiv, cu pensula de mina                                                                                                                                                                           | t   | 0,2562   |
| 87  | IzD04A        | Vopsirea confectiilor si constructiilor metalice cu vopsea de ulei in 2 straturi, executate din profile, cu grosimi intre 8 mm si 12 mm inclusiv, cu pensula de mina                                                                                                                                                                                   | t   | 0,2562   |
| 88  | pret de piata | Element decorativ 50x50x50h                                                                                                                                                                                                                                                                                                                            | buc | 40,0000  |
| 89  | pret de piata | Element decorativ 80x80x30h                                                                                                                                                                                                                                                                                                                            | buc | 21,0000  |
|     |               | <b>Capitolul 2.8. Scara monolita Sc-1</b>                                                                                                                                                                                                                                                                                                              |     |          |
| 90  | CC01E         | Armaturi din otel beton OB 37 fasonate in ateliere de santier si montate cu diametrul barelor pina la 8 mm inclusiv in fundatii continue si radiere                                                                                                                                                                                                    | kg  | 88,4300  |
| 91  | CA02C         | Beton simplu turnat in fundatii clasa C16/20                                                                                                                                                                                                                                                                                                           | m3  | 8,5000   |
| 92  | CB03A         | Cofraje din panouri re folosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineta, fundatii pahar si fundatii de utilaje inclusiv sprijinirile                                                                                                                                                                                               | m2  | 8,7000   |
| 93  | CG47D         | Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm                                                                                                                                                                                                                   | m2  | 30,0000  |
|     |               | <b>Capitolul 3. Cota 0.800 (Bloc B)</b>                                                                                                                                                                                                                                                                                                                |     |          |
|     |               | <b>Capitolul 3.1. Demolari</b>                                                                                                                                                                                                                                                                                                                         |     |          |
| 94  | RpSC05A       | Demontarea unui lavoar de faianta, inclusiv accesoriile                                                                                                                                                                                                                                                                                                | buc | 4,0000   |
| 95  | RpCJ35A       | Desfaceri de tencuieli ale peretilor interiori                                                                                                                                                                                                                                                                                                         | m2  | 12,0000  |
|     |               | <b>Capitolul 3.2. Finisare pereti</b>                                                                                                                                                                                                                                                                                                                  |     |          |
| 96  | CN53A         | Grunduirea suprafetelor - Betoncontact Consum 0,27 kg/m2                                                                                                                                                                                                                                                                                               | m2  | 12,0000  |
| 97  | CC03A         | Montare plase sudate la inaltime mai mici sau egale cu 35 m, la pereti si diafragme, cu greutatea plaselor pina la 3 kg/mp VR1-d4 mm 150x150                                                                                                                                                                                                           | kg  | 18,0000  |
| 98  | CF02A         | Tencuieli interioare de 2 cm grosime, driscuite, executate manual, la pereti sau stilpi, pe suprafete plane cu mortar var-ciment marca M 25-T pentru sprit si mortar M 10-T pentru grund si stratul vizibil, pe zidarie de caramida sau blocuri mici de beton                                                                                          | m2  | 12,0000  |
| 99  | CF17B k=2     | Diverse lucrari - diferenta de grosime, +/- 5 mm la stratul de grund aplicat la pereti, executat cu mortar                                                                                                                                                                                                                                             | m2  | 12,0000  |
| 100 | CN53A         | Grunduirea suprafetelor - Betoncontact Consum 0,27 kg/m2                                                                                                                                                                                                                                                                                               | m2  | 12,0000  |
| 101 | CI06C         | Placaj din fainata smaltuita, nesmaltuita, mata sau lucioasa cu placi de aceeasi culoare si format cu dimensiuni de la 15 x 15 cm pina la 30 x 30 cm, executate pe suprafete plane la pereti si stilpi, inclusiv glafurile si muchiile, cu rosturi alternante, in incaperi cu suprafata mai mare de 10 mp, fixate cu adeziv pentru montarea placajelor | m2  | 12,0000  |
|     |               | <b>Capitolul 4. Evacuare gunoi</b>                                                                                                                                                                                                                                                                                                                     |     |          |
| 102 | TrB05B2-5     | Transportul, prin purtare directa, al materialelor incomode, avind peste 25 kg, pe distanta de 50 m                                                                                                                                                                                                                                                    | t   | 27,6000  |

| 1   | 2          | 3                                                                                                                  | 4 | 5       |
|-----|------------|--------------------------------------------------------------------------------------------------------------------|---|---------|
| 103 | Tr11AA02C3 | Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3 | t | 27,6000 |
| 104 | Tsl50A5    | Transportarea pamintului cu autobasculanta de 5 t la distanta de 5 km (evacuarea gunoiiului)                       | t | 27,6000 |

## 2-1-2 Heating and Ventilation

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor | Unitatea de măsură | Volum |
|---------|-----------------------------|---------------------|--------------------|-------|
|---------|-----------------------------|---------------------|--------------------|-------|

| 1  | 2             | 3                                                                                                                                                                                                                                                   | 4   | 5       |
|----|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|
|    |               | <b>Capitolul 1. Utilaj</b>                                                                                                                                                                                                                          |     |         |
| 1  | pret de piata | Sistema de ventilare cu recuperare Climtec RD-150 Standart, N=0,026 kw                                                                                                                                                                              | buc | 2,0000  |
| 2  | pret de piata | Sistema de ventilare cu recuperare Climtec RD-125 Standart, N=0,007 kw                                                                                                                                                                              | buc | 1,0000  |
|    |               | <b>Capitolul 2. Lucrari de montare</b>                                                                                                                                                                                                              |     |         |
| 3  | VB33A         | Montarea sistemelor de ventilare Climtec RDT-125, 150 sau echivalent dupa caracterisitici - doar manopera si utilajele                                                                                                                              | buc | 3,0000  |
|    |               | <b>Capitolul 3. Lucrari sanitare</b>                                                                                                                                                                                                                |     |         |
|    |               | <b>Capitolul 3.1. Incalzire</b>                                                                                                                                                                                                                     |     |         |
| 4  | IB06A         | Radiatoare din otel, monobloc avind lungimea de pina la 1000 mm, inclusiv ("Korado" 22K-500-900)                                                                                                                                                    | buc | 2,0000  |
| 5  | IB06B         | Radiatoare din otel, monobloc avind lungimea de 1001 - 1500 mm ("Korado" 22K-500-1300)                                                                                                                                                              | buc | 4,0000  |
| 6  | ID01A         | Robinet cu ventil cu dublu reglaj (retur coltar) pentru instalatii de incalzire central, avind diametrul nominal de 3/8" -1/2" (Robinet coltar R14TG d15 mm)                                                                                        | buc | 6,0000  |
| 7  | ID01A         | Robinet cu ventil cu dublu reglaj (retur coltar) pentru instalatii de incalzire central, avind diametrul nominal de 3/8" -1/2" (Robinet R5TG d15 mm)                                                                                                | buc | 6,0000  |
| 8  | ID06A         | Robinet de aerisire cu cheie mobila pentru instalatii de incalzire centrala, avind diametrul nominal de 1/4" - Dezaerator D 15 mm                                                                                                                   | buc | 6,0000  |
| 9  | ID01A         | Robinet cu ventil cu dublu reglaj (retur coltar) pentru instalatii de incalzire central, avind diametrul nominal de 3/8" -1/2" (Robinet cu bila d15 mm)                                                                                             | buc | 12,0000 |
| 10 | IC11A         | Teava din otel neagra sudata longitudinal pentru instalatii, nefiletata, montata prin sudura in coloane, in instalatii de incalzire centrala pentru cladiri de locuit si social-culturale, teava avind diametrul de 20x1,8 mm (k=1,4, la fitinguri) | m   | 12,0000 |
| 11 | IE03A         | Efectuarea probei de etanseitate la presiune a conductelor de alimentare a aparatelor de incalzire (aeroterme, termoconvectoare, covectoare de plinta, etc.) avind diametrul de 3/8" ... 1"                                                         | m   | 12,0000 |
| 12 | IzJ07C        | Grunduirea conductelor si aparatelor cu un strat de miniu plumbГФ-021 si 2 strat de email alchidal БТ-177                                                                                                                                           | m2  | 0,7500  |
|    |               | <b>Capitolul 3.2. Ventilare</b>                                                                                                                                                                                                                     |     |         |
| 13 | CL20A         | Grile de ventilatie GTAC 200x100                                                                                                                                                                                                                    | buc | 1,0000  |
| 14 | CL20A         | Grile de ventilatie GTAC 400x160                                                                                                                                                                                                                    | buc | 1,0000  |

### 2-1-3 Indoor electrical network

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor                                                                                                                                                                                          | Unitatea de măsură | Volum    |
|---------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|
| 1       | 2                           | 3                                                                                                                                                                                                            | 4                  | 5        |
|         |                             | <b>Capitolul 1. Lucrari de montare</b>                                                                                                                                                                       |                    |          |
|         |                             | <b>Capitolul 1.1. Panou de distributie din metal 12 module IP31</b>                                                                                                                                          |                    |          |
| 1       | 08-03-573-4                 | Dulap (pupitru) de comanda suspendat, inaltime, Panou de distributie din metal IP-31 cu 12 module                                                                                                            | buc                | 1,0000   |
| 2       | 08-03-575-1                 | Intrerupator BH-3P/20A                                                                                                                                                                                       | buc                | 1,0000   |
| 3       | 08-03-575-1                 | Automat BA 47-29 3P/B16/4,5 kA                                                                                                                                                                               | buc                | 1,0000   |
| 4       | RpEP18A                     | Aplicarea inscriptiilor                                                                                                                                                                                      | buc                | 1,0000   |
|         |                             | <b>Capitolul 1.2. Panou de distributie din metal 24 module IP31</b>                                                                                                                                          |                    |          |
| 5       | 08-03-573-4                 | Dulap (pupitru) de comanda suspendat, inaltime, Panou de distributie din metal IP-31 cu 24 module                                                                                                            | buc                | 1,0000   |
| 6       | 08-03-575-1                 | Intrerupator BH-3P/25A                                                                                                                                                                                       | buc                | 1,0000   |
| 7       | 08-03-575-1                 | Intrerupator BH-2P/16A                                                                                                                                                                                       | buc                | 1,0000   |
| 8       | 08-03-575-1                 | Automat BA 47-29 1P/B6/4,5 kA                                                                                                                                                                                | buc                | 2,0000   |
| 9       | 08-03-575-1                 | Automat ABDT32/2P/10/30mA                                                                                                                                                                                    | buc                | 2,0000   |
| 10      | 08-03-575-1                 | Automat BA 47-29 1P/B6/4,5 kA                                                                                                                                                                                | buc                | 2,0000   |
| 11      | 08-03-575-1                 | Declansator independent PH-47                                                                                                                                                                                | buc                | 2,0000   |
| 12      | RpEP18A                     | Aplicarea inscriptiilor                                                                                                                                                                                      | buc                | 1,0000   |
|         |                             | <b>Capitolul 1.3. Panou de distributie din metal 18 module IP31</b>                                                                                                                                          |                    |          |
| 13      | 08-03-573-4                 | Dulap (pupitru) de comanda suspendat, inaltime, Panou de distributie din metal IP-31 cu 18 module                                                                                                            | buc                | 1,0000   |
| 14      | 08-03-575-1                 | Intrerupator BH-3P/20A                                                                                                                                                                                       | buc                | 1,0000   |
| 15      | 08-03-575-1                 | Automat ABDT32/2P/10/10mA                                                                                                                                                                                    | buc                | 2,0000   |
| 16      | 08-03-575-1                 | Automat ABDT32/2P/16/10mA                                                                                                                                                                                    | buc                | 1,0000   |
| 17      | RpEP18A                     | Aplicarea inscriptiilor                                                                                                                                                                                      | buc                | 1,0000   |
|         |                             | <b>Capitolul 1.4. Cabluri</b>                                                                                                                                                                                |                    |          |
| 18      | 08-02-412-2                 | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 6 mm2                                                    | 100 m              | 1,0500   |
| 19      | pret de piata               | Cablu VVGng (A) -LS 3x1.5 mm2                                                                                                                                                                                | m                  | 105,0000 |
| 20      | 08-02-412-3                 | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 16 mm2                                                   | 100 m              | 1,0500   |
| 21      | pret de piata               | Cablu VVGng (A) -LS 3x2.5 mm2                                                                                                                                                                                | m                  | 105,0000 |
| 22      | 08-02-412-4                 | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 35 mm2                                                   | 100 m              | 0,3000   |
| 23      | pret de piata               | Cablu VVGng (A)-LS 5x6.0 mm2                                                                                                                                                                                 | m                  | 30,0000  |
| 24      | 08-02-412-2                 | Introducerea conductorilor in tevi si furtunuri metalice pozate: primul conductor monofir sau multifir in impletire comuna, sectiune sumara pina la 6 mm2                                                    | 100 m              | 0,2500   |
| 25      | pret de piata               | Cablu KVVGng (A)-FRLS 4x1.0 mm2                                                                                                                                                                              | m                  | 25,0000  |
|         |                             | <b>Capitolul 1.5. Echipament electric de iluminat (de creat resursa)</b>                                                                                                                                     |                    |          |
| 26      | 08-03-594-16                | Corp de iluminat cu lampi luminescente in tavane suspendate, montat in piese inglobate, cantitate lampi, in corp de iluminat, 2 / Corp de iluminat cu lampi LED incadrabil IP-20, 3600Lm, 32W, 595x595x85 mm | 100 buc            | 0,1300   |
|         |                             | <b>Capitolul 1.6. Articole electrice de instalare (de creat resursa)</b>                                                                                                                                     |                    |          |
| 27      | 08-03-591-2                 | Intreruptor monopolar 10A/230V IP20                                                                                                                                                                          | 100 buc            | 0,0300   |
| 28      | 08-03-591-5                 | Intreruptor cu doua clape 10A/230V IP20                                                                                                                                                                      | 100 buc            | 0,0100   |
| 29      | 08-03-591-8                 | Priza 2P+PE, In=16A IP-20                                                                                                                                                                                    | 100 buc            | 0,1100   |
| 30      | 08-03-591-8                 | Priza 2P+PE, In=16A IP-44                                                                                                                                                                                    | 100 buc            | 0,0100   |
| 31      | pret de piata               | Cutie de distributie cu cleme                                                                                                                                                                                | buc                | 10,0000  |

| 1  | 2             | 3                                                                                            | 4     | 5      |
|----|---------------|----------------------------------------------------------------------------------------------|-------|--------|
|    |               | <b>Capitolul 1.7. Tevi (de creat resursa)</b>                                                |       |        |
| 32 | 08-02-409-1   | Teava flexibila spirala tip mediu 750N D20 mm, U=PVC cu proprietati de autostingere          | 100 m | 1,0500 |
| 33 | 08-02-409-1   | Teava flexibila spirala tip mediu 750N D25 mm, U=PVC cu proprietati de autostingere          | 100 m | 0,6500 |
| 34 | 08-02-390-1   | Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 60x40 mm (de creat resursa) | 100 m | 0,4500 |
| 35 | 08-02-390-1   | Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 25x16 mm (de creat resursa) | 100 m | 0,3500 |
|    |               | <b>Capitolul 2. Utilaj</b>                                                                   |       |        |
|    |               | <b>Capitolul 2.1. Panou de distributie din metal 12 module IP31</b>                          |       |        |
| 36 | pret de piata | Panou de distributie din metal, aplicabil/12 module/IP-31                                    | buc   | 1,0000 |
| 37 | pret de piata | Intrerupator BH32-3P/20A                                                                     | buc   | 1,0000 |
| 38 | pret de piata | Automat BA 47-29 3P/B16/4,5 kA                                                               | buc   | 1,0000 |
|    |               | <b>Capitolul 2.2. Panou de distributie din metal 24 module IP31</b>                          |       |        |
| 39 | pret de piata | Panou de distributie din metal, aplicabil/24 module/IP-31                                    | buc   | 1,0000 |
| 40 | pret de piata | Intrerupator BH32-3P/25A                                                                     | buc   | 1,0000 |
| 41 | pret de piata | Intrerupator BH32-2P/16A                                                                     | buc   | 1,0000 |
| 42 | pret de piata | Automat BA 47-29 1P/B6/4,5 kA                                                                | buc   | 2,0000 |
| 43 | pret de piata | Intrerupator automat diferential ABDT32/2P/10/30mA                                           | buc   | 2,0000 |
| 44 | pret de piata | Automat BA 47-29 1P/B6/4,5 kA                                                                | buc   | 2,0000 |
| 45 | pret de piata | Declansator independent PH-47                                                                | buc   | 2,0000 |
|    |               | <b>Capitolul 2.3. Panou de distributie din metal 18 module IP31</b>                          |       |        |
| 46 | pret de piata | Panou de distributie din metal, aplicabil/18 module/IP-31                                    | buc   | 1,0000 |
| 47 | pret de piata | Intrerupator BH32-3P/20A                                                                     | buc   | 1,0000 |
| 48 | pret de piata | Intrerupator automat diferential ABDT32/2P/10/10mA                                           | buc   | 2,0000 |
| 49 | pret de piata | Intrerupator automat diferential ABDT32/2P/16/10mA                                           | buc   | 1,0000 |

#### 2-1-4 Fire alarm system (SIP)

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor | Unitatea de măsură | Volum |
|---------|-----------------------------|---------------------|--------------------|-------|
|---------|-----------------------------|---------------------|--------------------|-------|

| 1  | 2             | 3                                                                                                                                | 4     | 5        |
|----|---------------|----------------------------------------------------------------------------------------------------------------------------------|-------|----------|
|    |               | <b>Capitolul 1. Lucrari de montare</b>                                                                                           |       |          |
|    |               | <b>Capitolul 1.1. Semnalizare de incendiu</b>                                                                                    |       |          |
| 1  | 10-08-001-01  | Aparate receptoare: Dispozitive "ПС" de receptie si control, de demarare. / Panou de control si dirijare incendiu Smartline 20/2 | buc   | 1,0000   |
| 2  | 10-08-003-02  | Dispozitive de ultrasunet: aparat de ultrasunet in executare monobloc Emitator radio ATS-100                                     | buc   | 1,0000   |
| 3  | 08-01-101-2   | Convertizor, masa pina la 0,25 t, Sursa de alimentare de rezerva РИП=12V                                                         | buc   | 1,0000   |
| 4  | 10-04-066-05  | Aparataj de perete: Alarma sonora adresabila ES0010RE                                                                            | buc   | 1,0000   |
| 5  | 10-08-003-01  | Aparat de semnalizare de capacitate/ Detector de fum ED100                                                                       | buc   | 7,0000   |
| 6  | 10-08-003-01  | Aparat de semnalizare de capacitate/ Avertizor de incendiu manual IC0020                                                         | buc   | 1,0000   |
| 7  | 10-01-055-02  | Pozare cablu si conductor pe pereti: Cablu, masa 1 m pina la 1 kg, pe perete: de caramida                                        | 100 m | 1,3000   |
| 8  | pret de piata | Cablu КПСЭнг (А)-FRLS 2x0,8 mm2                                                                                                  | m     | 110,0000 |
| 9  | pret de piata | Cablu VVGng-FRLSLTx 3x1,5 mm2                                                                                                    | m     | 20,0000  |
| 10 | 08-02-390-1   | Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 22x10x2000 (de creat resursa)                                   | 100 m | 1,0000   |

| 1  | 2             | 3                                                                                                                                                              | 4     | 5      |
|----|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|
| 11 | 08-02-409-1   | Teava din vinilplast pe constructii instalate, pe pereti si coloane, fixare cu scoabe, Tub din teava corugata care nu propaga ardere D20 mm (de creat resursa) | 100 m | 0,8000 |
| 12 | 08-01-121-1   | Acumulator 12V 17A/h                                                                                                                                           | buc   | 2,0000 |
| 13 | pret de piata | Piese metalice material de fixare                                                                                                                              | kg    | 1,0000 |
| 14 | 10-04-066-05  | Aparataj de perete: Sonerie/Sirena Ivy-R                                                                                                                       | buc   | 1,0000 |
|    |               | <b>Capitolul 1.2. Semnalizare de paza</b>                                                                                                                      |       |        |
| 15 | 10-08-001-01  | Aparate receptoare: Dispozitive "ПC" de receptie si control, de demarare. / Panou de control semnalizare de paza Ajax Hub                                      | buc   | 1,0000 |
| 16 | 10-04-066-05  | Aparataj de perete: Sonerie/Sirena Ajax HomeSiren                                                                                                              | buc   | 1,0000 |
| 17 | 10-08-002-01  | Avertizoare "ПC" automate: termic de electrocontact, de contact magnetic in executare normala/ Buton Ajax Button                                               | buc   | 1,0000 |
|    |               | <b>Capitolul 2. Utilaj</b>                                                                                                                                     |       |        |
|    |               | <b>Capitolul 2.1. Semnalizare de incendiu</b>                                                                                                                  |       |        |
| 18 | pret de piata | Panou de control si dirijare incendiu Smartline 20/2                                                                                                           | buc   | 1,0000 |
| 19 | pret de piata | Emitator radio ATS-100                                                                                                                                         | buc   | 1,0000 |
| 20 | pret de piata | Sursa de alimentare de rezerva РИП=12V                                                                                                                         | buc   | 1,0000 |
| 21 | pret de piata | Alarma sonora adresabila ES0010RE                                                                                                                              | buc   | 1,0000 |
| 22 | pret de piata | Detector de fum ED100                                                                                                                                          | buc   | 7,0000 |
| 23 | pret de piata | Avertizor de incendiu manual IC0020                                                                                                                            | buc   | 1,0000 |
| 24 | pret de piata | Acumulator 12V 17A/h                                                                                                                                           | buc   | 2,0000 |
| 25 | pret de piata | Panou informativ EXIT                                                                                                                                          | buc   | 3,0000 |
| 26 | pret de piata | Indicator RI31                                                                                                                                                 | buc   | 2,0000 |
| 27 | pret de piata | Sirena Ivy-R                                                                                                                                                   | buc   | 1,0000 |
|    |               | <b>Capitolul 2.2. Semnalizare de paza</b>                                                                                                                      |       |        |
| 28 | pret de piata | Panou de control semnalizare de paza Ajax Hub                                                                                                                  | buc   | 1,0000 |
| 29 | pret de piata | Sirena Ajax HomeSiren                                                                                                                                          | buc   | 1,0000 |
| 30 | pret de piata | Buton Ajax Button                                                                                                                                              | buc   | 1,0000 |
| 31 | pret de piata | Ajax Space control (breloc)                                                                                                                                    | buc   | 2,0000 |

#### 2-1-5 Telecommunications and signalization (TS)

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor                                                                                                                                            | Unitatea de măsură | Volum    |
|---------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|
| 1       | 2                           | 3                                                                                                                                                              | 4                  | 5        |
|         |                             | <b>Capitolul 1. Lucrari de montare</b>                                                                                                                         |                    |          |
| 1       | 10-02-030-05                | Set pentru impamintare TE                                                                                                                                      | set                | 2,0000   |
| 2       | 10-04-066-07                | Aparataj de perete: Priza                                                                                                                                      | buc                | 2,0000   |
| 3       | pret de piata               | Priza de date 1 RJ45                                                                                                                                           | buc                | 2,0000   |
| 4       | 10-04-066-07                | Aparataj de perete: Priza                                                                                                                                      | buc                | 1,0000   |
| 5       | pret de piata               | Priza televizor                                                                                                                                                | buc                | 1,0000   |
| 6       | pret de piata               | Cutii pentru prize                                                                                                                                             | buc                | 3,0000   |
| 7       | 08-02-398-1                 | Conductor in jgheaburi, sectiune pina la 6 mm2                                                                                                                 | 100 m              | 1,1000   |
| 8       | pret de piata               | Cablu UTP cat. 5e                                                                                                                                              | m                  | 110,0000 |
| 9       | 08-02-398-1                 | Conductor in jgheaburi, sectiune pina la 6 mm2                                                                                                                 | 100 m              | 0,0450   |
| 10      | pret de piata               | Patch cord UTP cat 5e, 0,5 m                                                                                                                                   | buc                | 3,0000   |
| 11      | pret de piata               | Patch cord UTP cat 5e, 1,5 m                                                                                                                                   | buc                | 2,0000   |
| 12      | pret de piata               | Conector RJ-45, UTP cat. 5e                                                                                                                                    | buc                | 3,0000   |
| 13      | 08-02-409-1                 | Teava din vinilplast pe constructii instalate, pe pereti si coloane, fixare cu scoabe, Tub din teava corugata care nu propaga ardere D20 mm (de creat resursa) | 100 m              | 0,3000   |
| 14      | pret de piata               | Piese metalice material de fixare                                                                                                                              | kg                 | 1,0000   |
| 15      | 08-02-390-1                 | Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 22x10x2000 (de creat resursa)                                                                 | 100 m              | 1,1000   |
| 16      | 10-08-016-01                | Ceasornice electrice secundare unilaterale pentru incaperi: pe perete                                                                                          | buc                | 2,0000   |
| 17      | 10-08-003-03                | Sursa de alimentare autonoma                                                                                                                                   | buc                | 2,0000   |

| 1  | 2             | 3                                               | 4   | 5      |
|----|---------------|-------------------------------------------------|-----|--------|
|    |               | <b>Capitolul 2. Utilaj</b>                      |     |        |
| 18 | pret de piata | Set pentru impamintare TE                       | set | 2,0000 |
| 19 | pret de piata | Ceasuri autonome de perete inclusiv acumulatori | buc | 2,0000 |
| 20 | pret de piata | Sursa de alimentare autonoma                    | buc | 2,0000 |

#### 2-1-6 Technological Equipment

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor | Unitatea de măsură | Volum |
|---------|-----------------------------|---------------------|--------------------|-------|
|---------|-----------------------------|---------------------|--------------------|-------|

| 1  | 2             | 3                                                                                         | 4   | 5      |
|----|---------------|-------------------------------------------------------------------------------------------|-----|--------|
|    |               | <b>Capitolul 1. Lucrari de montare</b>                                                    |     |        |
| 1  | SE59A         | Uscator de maini din inox, 1,5kw, 250V (doar manopera)                                    | buc | 2,0000 |
| 2  | SC13A         | Oglinda sanitara din semicristal cu marginile slefuite, avind dimensiunile de 600x1000 mm | buc | 4,0000 |
| 3  | SC14A1        | Dozator sapun din inox                                                                    | buc | 1,0000 |
|    |               | <b>Capitolul 2. Utilaj</b>                                                                |     |        |
| 4  | pret de piata | Uscator de maini din inox, 1,5kw, 250V                                                    | buc | 2,0000 |
| 5  | pret de piata | Suport pentru hirtie de WC din inox                                                       | buc | 1,0000 |
| 6  | pret de piata | Urna pentru gunoi din inox                                                                | buc | 2,0000 |
| 7  | pret de piata | Perie pentru WC dotata cu suport din inox                                                 | buc | 1,0000 |
| 8  | pret de piata | Bara suport orizontala pentru persoane cu dizabilitati din inox                           | buc | 1,0000 |
| 9  | pret de piata | Bara suport verticala pentru persoane cu dizabilitati din inox                            | buc | 1,0000 |
| 10 | pret de piata | Bara suport rabatabila din inox                                                           | buc | 1,0000 |
| 11 | pret de piata | Masa pentru comuter                                                                       | buc | 1,0000 |
| 12 | pret de piata | Masa pentru birou 800x1500 mm                                                             | buc | 1,0000 |
| 13 | pret de piata | Masa pentru ocupatii format modular                                                       | buc | 1,0000 |
| 14 | pret de piata | Dulap cu rafturi pentru jucarii/locuri/carti                                              | buc | 1,0000 |
| 15 | pret de piata | Dulap cu rafturi pentru materiale metodice                                                | buc | 2,0000 |
| 16 | pret de piata | Scaun birou                                                                               | buc | 1,0000 |
| 17 | pret de piata | Scaun copii                                                                               | buc | 1,0000 |
| 18 | pret de piata | Canapea 2000x800 mm                                                                       | buc | 1,0000 |
| 19 | pret de piata | Module moi                                                                                | buc | 3,0000 |
| 20 | pret de piata | Tabla de perete                                                                           | buc | 1,0000 |
| 21 | pret de piata | Tabla flipchart                                                                           | buc | 1,0000 |
| 22 | pret de piata | Bare paralele pentru gimnastica                                                           | buc | 1,0000 |
| 23 | pret de piata | Suport metalic pentru bare de reeducare a mersului                                        | buc | 1,0000 |
| 24 | pret de piata | Baston pentru gimnastica                                                                  | buc | 1,0000 |
| 25 | pret de piata | Minge din cauciuc cu tepi                                                                 | buc | 1,0000 |
| 26 | pret de piata | Role din pvc din burete cu duritate mare                                                  | buc | 1,0000 |

#### 7-1 General Plan

| No crt. | Simbol norme si cod resurse | Denumire lucrărilor | Unitatea de măsură | Volum |
|---------|-----------------------------|---------------------|--------------------|-------|
|---------|-----------------------------|---------------------|--------------------|-------|

| 1 | 2          | 3                                                                                                                  | 4  | 5       |
|---|------------|--------------------------------------------------------------------------------------------------------------------|----|---------|
|   |            | <b>Capitolul 1. Demolari</b>                                                                                       |    |         |
| 1 | DC04B      | Taierea cu masina cu discuri diamantate a rosturilor de contractie si dilatatie in betonul de uzura la drumuri     | m  | 86,0000 |
| 2 | DI109      | Decaparea mecanizata a imbracamintei din beton asfaltic                                                            | m3 | 1,7200  |
| 3 | Tr11AA02C3 | Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3 | t  | 7,4000  |

| 1 | 2      | 3                                                                                                                                                                                                                                                                   | 4  | 5       |
|---|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------|
| 4 | TsI50C | Transportarea incarcaturilor cu autocamione la distanta 3 km (evacuarea gunoiului)                                                                                                                                                                                  | t  | 7,4000  |
|   |        | <b>Capitolul 2. Amenajare teritoriu</b>                                                                                                                                                                                                                             |    |         |
| 5 | CG22A  | Pardoseli din beton simplu clasa C 20/25 in grosime de 10 cm, in cimp continuu, driscuit, turnat pe loc, in incaperi cu suprafata mai mare de 16 mp                                                                                                                 | m2 | 15,0000 |
| 6 | TsC54A | Strat de fundatie din nisip                                                                                                                                                                                                                                         | m3 | 1,0500  |
| 7 | DE18A  | Pavaje executate din placi de trotuare din beton prefabricat asezate pe un strat din amestec uscat de ciment si nisip, in proportie 1:6, rostuit cu amestec uscat de ciment si nisip, grosime strat de 5 cm (placi din beton pentru marcaj tactil-tip L 20x10x6 cm) | m2 | 15,0000 |
| 8 | DE18A  | Pavaje executate din placi de trotuare din beton prefabricat asezate pe un strat din amestec uscat de ciment si nisip, in proportie 1:6, rostuit cu amestec uscat de ciment si nisip, grosime strat de 5 cm (placi din beton pentru marcaj tactil-tip B 20x10x6 cm) | m2 | 5,0000  |

**Design drawings and specifications**

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