LRPS-2026-9207193 12 Nov 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 “Miron Costin” High School, located in Floresti city, Republic of Moldova.

Bid submission deadline is 06 Dec 2026 and 23:59 Hrs, Moldova time

THIS REQUEST FOR PROPOSAL FOR SERVICES HAS BEEN:

Prepared By:

Radu Bradescu

Digitally signed by Radu Bradescu
Date: 2026.11.12 15:32:04 +02'00'

Date:

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

Email : 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-2026-9207193** 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[1] have not been found guilty pursuant to a final judgment or a final administrative decision of any of the following:	YES	NO
	a. fraud;	☐	☐
	b. corruption;	☐	☐
	c. conduct related to a criminal organization;	☐	☐
	d. money laundering or terrorist financing;	☐	☐
	e. terrorist offences or offences linked to terrorist activities;	☐	☐
	f. sexual exploitation and abuse;	☐	☐
	g. child labour, forced labour, human trafficking; or	☐	☐
	h. irregularity (non-compliance with any legal or regulatory requirement applicable to the Company or its Management).	☐	☐

[1] "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 .	☐	☐
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.	☐	☐
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.	☐	☐
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 (*creating a shell company*).	☐	☐
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)*(being a shell company).*	☐	☐

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: _____

Date: _____

Name & Title: _____

Name of the Company: _____

UNGM #: _____

Postal Address: _____

E-mail : _____

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 <H>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 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. The deadline for receipt of any questions is 02 Dec 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:
01.12.2026, contact I. Baraghin at ibaraghin@unicef.org,060100493

1.5 Bid conference. A bid conference will be held on 24 Nov 2026 and 11:00 Hrs at 131, '31 August 1989' str, UN House, UNICEF Conference Room. Registration form: https://forms.cloud.microsoft/e/nj5ZxURvph

1.6 Submission Deadline. The deadline for submission of proposals is as follows: 06 Dec 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

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 choses 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).

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.

LRPS-2026-9207193

ANNEX B: TERMS OF REFERENCE

FOR

Construction works for adaptation and improvement of accessibility infrastructure in the "Miron Costin" High School, located in Floresti city, Republic of Moldova

1.0 BACKGROUND

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 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

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

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 "Miron Costin" High School, located in Floresti 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, renovation and adaptation of accessible WASH facilities, and renovation of 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 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 requirements on sustainability, eco-efficiency and inclusive access, 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

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,** as indicated in the **Notice to proceed**. 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 1st 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 2nd 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 3rd month
4	Completion of all finishing works, installation of equipment, accessories, handrails, signage, final reinstatement works, testing and pre-handover corrections	25%	mid of 4th month
5	Substantial completion of works	10%	end of 4th month
6	**Defects Liability Period security** — 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 Manage 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
Technical Evaluation	
1. Capability (skills, expertise and experience) of the Potential Bidder [and Key Personnel] - Sufficient capacity and workforce in the field, assessed based on the list of personnel proposed for the execution of the Works - 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 - Number of years as a building Works contractor for related Works (proof required) - Experience providing related services to other international organizations or commercial entities - The number and the corresponding value of related assignments undertaken in the country	(20)
2. Capacity (resources and availability) of the Potential Bidder: - Financial capacity of the company (assessed based on the financial reports for the last 3 years and the estimated construction costs) - 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. - The equipment proposed should be sufficient to achieve the timely completion of the Works, with consideration for concurrent operations	(20)

3. Proposed Solution (Approach, Methodology, Schedule, Quality and time Control plan) - Understanding of scope and objectives - Proposed Implementation Plan showing the overall approach to be adopted in the execution of the Works - 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. - Understanding of, and responsiveness to, UNICEF requirements, social and environmental responsibility	(30)
Financial Evaluation	
4. Price	(30)
TOTAL MARK (Technical + Financial points)	**(100)**

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

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-2026-9207193** 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-2026-9207193**

Name of authorized representative: _____

Title: _____

Signature: _____

Date: _____

Supplier Name: _____

Postal Address: _____

Telephone No.: _____

Fax No.: _____

Email Address: _____

Validity of Offer (not less than 120 days): _____

Currency of Offer: _____

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 "Miron Costin" High School, located in Floresti city, Republic of Moldova** in accordance with your Request for Proposal LRPS-2026-9207193 dated 12.11.2026 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**	**Remarks**
	(to be filled by the Potential Bidder)	
Company legal name		
Company founded year		
Registration number / Company tax number (IDNO)		
Company license number and expiry date (for the required services if applicable)		
Legal Status		Provide certified copies of Registration
Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney	
VAT Registration Nr.		

Form 4: Potential Bidder's Contact Details,

Name and Title of Contact Person	
Address of Contact Person	
Telephone/Cell number of Contact 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		
A. Key Professionals		
Name	**Position**	**Task**
B. Support Staff		
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**
		Provide documentary evidence
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 and proposed sequence of works;
- number of workers to be involved in execution, including allocation by main work categories;
- quality control strategy;
- implementation schedule for all main activities, presented in bar chart format;
- personnel plan aligned with the proposed schedule, deliverables and payment stages;
- analysis of anticipated project risks and proposed mitigation and control measures;
- proposed approach to mitigate negative social and environmental impacts on the school community and surrounding area;
- proposed measures to respect workers' rights, labour conditions, occupational health and safety requirements

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 "Miron Costin" High School, located in Floresti city, Republic of Moldova** as specified in the Annex B and Annex-E following your Request for Proposal dated 12.11.2026, 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	
8	General requirements (Lump Sum)	
	Total	

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 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 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 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 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 Miron Costin High School, located in Floresti City, Republic of Moldova. The intervention will cover two school buildings, namely Block A and Block B, as indicated in the design documentation. 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, coordination between the two intervention blocks, 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 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 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 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 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;
- Heating and ventilation works related to WASH facilities;
- Testing and commissioning of finalized works;
- 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 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 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 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 Structural and architectural works

The Contractor shall execute all structural and architectural works required for the proper implementation of the accessibility interventions in accordance with the 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 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 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 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 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 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.
he 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 design documentation and in accordance with applicable accessibility requirements. Where such details are not specified in the design documentation, the Contractor is required to seek and obtain instructions from the Engineer before commencing the relevant works.

All penetrations through walls, floors, ceilings or other building elements shall be properly sealed, finished and reinstated. Where penetration affects fire safety, acoustic separation, waterproofing or structural elements, the Contractor will apply appropriate technical solutions in accordance with the 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 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 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 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 Engineer and 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 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 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 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 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:

- detailed work methods and sequence of works, using the same main activity names as in the Proposed Implementation Plan;
- detailed work schedule for all activities, shown in bar chart format, including main milestones and expected completion dates;
- mobilization arrangements, including site takeover, workers, equipment delivery and start of works;
- key site staff, number of workers and workforce allocation for each main work activity;
- equipment, tools, machinery and temporary facilities to be used;
- material delivery schedule, including storage and protection measures;
- site organization arrangements, including work areas, storage areas, access routes, temporary facilities and waste collection points;
- proposed working hours and coordination with the school administration;
- quality control arrangements, including material checks, inspections, tests, hidden works verification and quality documents;
- environmental, social, health and safety measures in line with the approved ESMP;
- main project risks and proposed measures to reduce and control them;
- reporting arrangements, including progress updates, site meetings, photo reports, issue notifications 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 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 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, color, 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 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 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 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 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 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 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 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 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 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 400x0.8 m, with configuration as indicated in the 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 600x0.8 m, with configuration as indicated in the 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 color 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 color 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.

Adaptation of outdoor routes (if applicable)

The outdoor access routes are to be adapted to ensure continuous, safe and barrier-free movement between the site entrance, pedestrian paths, building entrances and other accessible areas.
The works include, as applicable:

- lowering existing kerbs/bordures at pedestrian crossings and transition points;
- adjusting paving, sidewalks and adjacent surfaces to remove abrupt level differences;
- forming smooth transitions between different pavement levels;
- local reconstruction of paved areas where required to achieve the necessary levels and slopes;
- removal or adjustment of obstacles that restrict accessible movement;
- reinstatement of affected paving, kerbs, drainage elements and adjacent finishes after completion.

Transitions between sidewalks, access paths, ramps and entrance areas must be smooth, without steps, sharp edges or sudden changes in level.
Where existing kerbs interrupt the accessible route, they are to be lowered or locally reconstructed so that wheelchair users and persons with reduced mobility can pass safely and without assistance.
All adapted areas must maintain proper drainage and must not create depressions, ponding areas or other hazards.
The final route is to be continuous, stable, slip-resistant and free from obstacles, with all levels and slopes coordinated with the approved accessibility layout and surrounding existing surfaces.

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 color 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 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 design includes the following ramp interventions:

- new main outdoor ramps Rm-1 (located in Block A) and Rm-4 (located in and common gallery) designed to improve the universal accessibility the building;
- new indoor ramps Rm-2 and Rm-3, ensuring access from the common gallery to Block A and Block B.
- new ramp for the emergency exit from the Block A designed to improve the universal accessibility the building;
- Refurbishment and adaptation of the stairs, related landings, platforms, thresholds and transition areas (upon need);
- 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;
- Adaptation of the indoor access routes to ensure continuous, safe and barrier-free movement within the school common spaces.

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 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 design documentation. The drawings indicate slopes 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.

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 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 from stainless steel 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 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

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 design documentation, door schedule, technical specifications and Bills of Quantities, as follows:

- Door type U-1 Main entrance (Block A): Thermopane construction with 5-chamber aluminium profile with thermal break, Low-E/4S glass, dimensions 1900 x 2800 mm.
- Door type U-2 Emergency exit (Block A): Thermopane construction with 5-chamber aluminium profile with thermal break, Low-E/4S glass, dimensions 2600 x 2800 mm.
- Door type U-3 Emergency exit (Block A): Thermopane construction with 5-chamber aluminium profile with thermal break, Low-E/4S glass, dimensions 2700 x 2800 mm
- Double Door type U-3 Main entrance (common gallery): Thermopane construction with 5-chamber aluminium profile, Low-E/4S glass, dimensions 3500 x 2800 mm.
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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 must ensure safe and barrier-free movement, without excessive thresholds, obstacles or restrictions to accessibility.

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

This chapter sets out the technical requirements for the works to be carried out in the Resource Center for Inclusive Education (CREI) in Block B and the Logopedic Room in Block A. All works 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:

- dismantling of existing door joinery;
- removal of existing linoleum floor finish;
- removal of existing mortar screed, including existing floor layers;
- dismantling of existing suspended ceiling;
- dismantling of existing heating bodies, cast-iron radiators and pipes;
- dismantling of existing lighting fixtures;
- enlargement of the existing door opening, where indicated;
- removal of other elements indicated in the demolition layout.

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 floor finishing layout, 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;
- self-levelling layer;
- underlay for laminate/parquet;
- laminate floor finish;
- 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 thermal insulation layer is placed evenly and tightly over the prepared slab, without open joints, instability or deformation. The levelling screed and self-levelling layer are executed to obtain a stable, smooth and uniform surface suitable for the laminate floor system.

The laminate flooring is installed over the approved underlay, with proper alignment, expansion gaps and perimeter finishing. The completed floor must be stable, level, clean, resistant to regular use and free from movement, open joints, lifting edges, scratches or visible defects.

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 and Logopedic spaces 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;
- Gypsum-based dry-mix plaster;
- Eurofin finishing putty;
- Manually applied interior finishing skim coat;
- Deep-penetration primer;
- High-resistance acrylic-polymer emulsion paint in 2 coats, RAL 9003.

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 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 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 (U-4) 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 1000 x 2100 mm, or as indicated in the approved door schedule.

NOTE: Where the design documentation does not expressly indicate the detailed type or technical characteristics of the internal door for the CREI space, the Contractor is required to comply with the door specification provided above. The door proposed for installation is to be included in the Contractor's offer and submitted for review, together with relevant technical data sheets, before procurement and installation. Any deviation from the GTS requirements is subject to prior written approval by UNICEF and/or the Engineer.

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.

The heating works are connected to the existing heating system of the school buildings. Connections are made to the existing heating network in the locations and diameters indicated in the approved documentation.

The heating installation includes, as applicable:

- connection to existing heating pipes, including existing Ø32 network sections where applicable;
- welded steel pipe Ø20 x 1.8 mm, compliant with the approved specification;
- cast-iron radiators type MC-140 complete with air vent and wall fixing accessories;
- ball valves Ø15;
- air valves;
- transition and connection elements between existing pipes and new radiator connections;
- supports, brackets, sleeves, fittings and auxiliary materials required for complete installation.

Radiators are installed in the locations indicated in the approved layout, properly aligned, securely fixed and connected to the heating network. Radiator installation is coordinated with wall finishes, window areas, furniture layout, CREI functionality, sanitary partitions and circulation space.

Heating pipes are installed straight, securely fixed, protected against mechanical damage and arranged to allow proper operation, air release and maintenance. Pipe penetrations through walls or partitions are executed with sleeves and properly reinstated after installation.

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 works include, as applicable:

- supply-exhaust ventilation units type Climtec or approved equivalent;
- systems P1B1 for CREI spaces, with RD 150 Standard type units or approved equivalent;
- integrated heat recovery unit;
- built-in filter;
- remote switching/control;
- electrical connection in coordination with the electrical compartment;
- wall penetrations, fixing accessories, grilles and reinstatement works.
-

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 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 design documentation.

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

11.1 Indoor Electrical Network

The electrical works are executed in accordance with the approved IEI/EEF design documentation, including general notes, electrical diagrams, lighting layout, power equipment layout, distribution panel schemes, equipotential bonding scheme, material specifications, Bills of Quantities, applicable Moldovan electrical norms and manufacturer's instructions.

The works cover the reconstruction/adaptation of the interior lighting and power equipment installations for the rehabilitated areas, including sanitary blocks, CREI space and related circulation/connection areas indicated in the approved drawings.

The electrical system is designed for a 380/220 V network with neutral connected to earth, grounding system TN-C-S, and includes power supply from the existing distribution board to the new distribution panels as indicated in the approved diagrams.

The Contractor is responsible for supply, installation, connection, testing, commissioning and handover of all electrical materials, equipment, distribution panels, cables, conduits, cable channels, switches, sockets, luminaires, control devices, protection devices, grounding and equipotential bonding elements required for complete and functional execution of the electrical compartment.

All electrical equipment, materials and accessories are to be new, certified for use in the Republic of Moldova, compatible with the design, suitable for the intended indoor environment and compliant with applicable electrical safety requirements.

The electrical work includes, as applicable:

- connection to the existing school distribution boards;
- installation of new distribution panels for the intervention areas;
- installation of circuit breakers, differential protection devices, load switches, terminals, PE/N bars, contactors and related panel accessories;
- installation of power supply circuits for lighting, sockets, ventilation equipment, electric boilers, hand dryers and other electrical consumers;
- installation of LED lighting fixtures, including luminaires with motion/presence sensors where specified;
- installation of switches, sockets, socket blocks, control posts and connection points;
- installation of cable channels, U-PVC conduits, flexible tubes, wall chases and protected cable routes;
- electrical connection for ventilation equipment and coordination with ventilation shutdown through the fire alarm system, where specified;
- installation of grounding and additional equipotential bonding;

- testing, commissioning, labelling, cleaning, reinstatement and handover of the complete electrical installation.

Exact locations, quantities, circuit designations, cable sections and equipment specifications are specified in the approved drawings, single-line diagrams, material specifications and Bills of Quantities.

Distribution Panels

Distribution panels are to be installed in the locations indicated in the approved drawings.
The panels must be metal type, with suitable protection degree, lockable door, required number of modules, internal wiring, terminals, PE/N bars and clear labels.
The panels include, as applicable:

- load switches;
- automatic circuit breakers;
- differential protection devices;
- contactors;
- terminals;
- PE and N bars;
- additional contacts;
- labels and circuit identification.

The middle of each distribution panel is to be installed at approximately 1.5 m above finished floor level, unless otherwise indicated in the approved documentation or agreed with UNICEF and/or the Engineer/Supervisor.
Panels must be fixed securely, aligned, accessible for operation and maintenance, and protected from accidental damage.

Cabling and Cable Routing

Electrical circuits are to be executed with copper cables of the types and sections indicated in the approved documentation and BoQ.
The installation includes, as applicable:

- VVGng(A)-LSLTx / BBHng(A)-LSLTx cables for lighting and power circuits;
- VVGng(A)-FRLSLTx / BBHng(A)-FRLSLTx fire-resistant cables for fire-related or emergency/control circuits where specified;
- control cables for ventilation control and fire alarm interface;
- single-core PE conductors for grounding and equipotential bonding;
- U-PVC conduits;
- flexible U-PVC tubes;
- plastic cable channels;
- junction boxes and fixing accessories.

Cables are to be installed in plastic cable channels, U-PVC conduits, wall chases, floor layers, ceiling voids or other routes indicated in the approved drawings.
Cable routes must be straight, fixed properly, protected from damage and coordinated with architectural finishes, sanitary equipment, ventilation ducts, suspended ceilings, lighting fixtures and other technical systems.
Power circuits, lighting circuits and fire-related/control circuits are to be separated where required. Fire-related circuits must not be mixed with basic power circuits in the same undivided cable route.
Cable channels must be installed neatly, with covers, bends, joints, end pieces and fixing accessories. Visible cable routes must be aligned and cleanly finished.
Cables installed in conduits or tubes must be protected from crushing, sharp bends, deformation and mechanical damage.

Lighting Installation

Lighting works include supply and installation of LED luminaires in the rehabilitated areas, as indicated in the approved lighting layouts and luminaire schedules.
The installation includes, as applicable:

- LED luminaires for sanitary rooms and circulation areas;
- LED luminaires with motion/presence sensors;
- recessed LED luminaires for suspended ceiling areas;
- IP44 luminaires for humid or sanitary areas;
- IP20 luminaires for dry internal areas;
- all supports, fixing elements, connectors and accessories required for complete installation.

The luminaires must correspond to the required power, luminous flux, protection degree, size and installation method indicated in the approved documentation.

Before procurement, the Contractor must confirm that the proposed luminaires meet the required technical characteristics. If equivalent luminaires are proposed, they must keep at least the same luminous flux, protection degree, installation type and suitability for the room conditions.
Lighting fixtures must be installed in coordination with suspended ceilings, ventilation grilles, fire alarm devices, doors, partitions, sanitary equipment and furniture.
Switches are to be installed at approximately **1.8 m above finished floor level**, unless otherwise indicated.
Lighting circuits must be tested for correct switching, operation of sensors, safe connection and proper functioning before handover.

Sockets, Switches and Power Equipment
The Contractor is responsible for installation of sockets, switches, socket blocks, junction boxes, connection points and power supply circuits for the equipment indicated in the approved documentation.
The works include, as applicable:

- 2P+PE sockets, 16 A, IP20 or IP44, depending on room conditions;
- blocks of three sockets where indicated;
- switches, including IP44 switches for sanitary or humid areas;
- junction boxes with terminals;
- power supply for electric boilers;
- power supply for hand dryers;
- connection points for ventilation equipment;
- control posts for ventilation systems;
- all frames, boxes, covers, terminals and fixing accessories.

Sockets, switches and control devices must be installed straight, aligned, securely fixed and coordinated with sanitary equipment, mirrors, hand dryers, support bars, furniture, doors and accessibility requirements.
The final position of user-operated electrical elements must not obstruct movement, reduce accessibility or create unsafe projections.
Where exact locations are not fully clear on site, the Contractor is required to seek instructions from UNICEF and/or the Engineer/Supervisor before installation.

Ventilation Power Supply and Control
The electrical work includes power supply and control connections for ventilation equipment indicated in the approved documentation.
The installation includes, as applicable:

- power supply circuits for ventilation equipment;
- control cables for start/stop operation;
- control posts with two buttons for ventilation systems;
- protection devices in the relevant distribution panels;
- coordination with the HVAC/ÎVC compartment.

Control posts for ventilation equipment are to be installed at approximately 1.8 m above finished floor level, unless otherwise indicated.
The Contractor must coordinate all ventilation-related electrical works with the HVAC/ÎVC works before installation and testing.

Fire Alarm Interface
Where indicated, the electrical installation must provide automatic disconnection of ventilation equipment through a signal from the fire alarm panel.
The Contractor is responsible for installing and testing the required power/control interface between the electrical installation, ventilation equipment and fire alarm system.
Fire-related receivers and control circuits are to be installed separately from basic electrical receivers, using separate cable routing where required.
The ventilation shutdown function must be tested before handover to confirm correct operation upon fire alarm signal.

Grounding and Equipotential Bonding
The Contractor must execute protective grounding and equipotential bonding in accordance with the approved grounding and equipotential bonding scheme.
All exposed conductive parts of electrical equipment that are not normally under voltage must be connected to the PE system.
The following elements are to be connected to the equipotential bonding system where applicable:

- distribution panels;
- electrical equipment metal parts;
- metallic cable supports;
- ventilation equipment and duct elements;
- metallic pipes;

- other conductive parts requiring bonding.

PE conductors must be properly connected, mechanically secure and protected against corrosion or loosening.
Protective conductors are to be marked in yellow-green colour. Phase, neutral and PE conductors must be identified in accordance with applicable electrical requirements.
Where water meters, valves or bolted pipe connections interrupt metallic continuity, bypass bonding is to be provided where required by the approved scheme.
Grounding and bonding connections must be checked before closing walls, floors, ceilings or shafts.

Coordination with Other Works

Before installation, the Contractor must verify the exact position of electrical panels, luminaires, sockets, switches, control posts, cable routes and equipment connection points.
Electrical works are to be coordinated with:

- architectural and finishing works;
- sanitary equipment and accessories;
- accessibility elements;
- HVAC/ÎVC equipment;
- fire alarm system;
- suspended ceilings;
- wall and floor finishes;
- existing electrical infrastructure;
- school administration and maintenance staff.

Any conflict between electrical works and other installations must be reported to UNICEF and/or the Engineer/Supervisor before execution.
Openings, wall chases, penetrations and affected surfaces must be reinstated after installation and testing.

Quality of Execution

Electrical works must be executed by qualified personnel using proper tools and safe working methods.
The installation must be clean, safe, stable and accessible for maintenance.
The following defects are not acceptable:

- loose panels, sockets, switches or luminaires;
- unprotected cables;
- damaged insulation;
- missing labels;
- incorrect cable routing;
- mixed fire-related and power circuits where separation is required;
- missing grounding or bonding;
- unsafe connections;
- non-functional protection devices;
- unfinished wall chases or penetrations;
- equipment installed in conflict with sanitary fixtures or accessibility requirements.

All such defects, or others observed during the execution, must be corrected before acceptance.

Testing and Commissioning

Before handover, the Contractor must inspect, test and commission the complete indoor electrical installation.
Testing includes, as applicable:

- visual inspection of panels, cables, conduits, cable channels, sockets, switches and luminaires;
- verification of fixing, alignment, installation height and accessibility;
- verification of cable routes and cable protection;
- checking of panel and circuit labels;
- continuity testing of protective conductors;
- grounding and equipotential bonding checks;
- insulation resistance testing;
- polarity verification;
- phase, neutral and PE verification;
- testing of circuit breakers and differential protection devices;
- functional testing of lighting circuits;
- functional testing of motion/presence sensors;
- functional testing of sockets and socket blocks;
- functional testing of electric boiler supply points;
- functional testing of hand dryer supply points;
- testing of ventilation control posts;
- testing of ventilation shutdown through fire alarm signal, where indicated.

All test results must be recorded and submitted to UNICEF and/or the Engineer/Supervisor.

Any failed test, unsafe condition or non-compliant installation must be corrected and retested before acceptance.

Handover Documentation
Indoor electrical installation is considered ready for acceptance only when all electrical works are complete, safe, operational, tested, labelled, documented, clean and accepted by the Engineer.

The Contractor's offer is deemed to include all cables, conduits, cable channels, distribution panels, protection devices, switches, sockets, luminaires, control devices, grounding and bonding materials, fixing accessories, testing, labelling, cleaning, reinstatement and all auxiliary works required for complete and functional execution of the indoor electrical network for both Block A and Block B. Additional payment claims for standard accessories, fixing materials, installation items, testing or coordination works are not accepted unless they result from an approved variation instructed in writing the Engineer.

11.2 Fire Alarm System (SIP)

The Fire Alarm System works are executed in accordance with the design documentation, including general notes, fire alarm network scheme, equipment layout plan, cable routing plan, material specification, Bills of Quantities, applicable fire safety norms, manufacturer's instructions and directions issued by the Engineer.

The works cover the supply, installation, connection, testing, commissioning and handover of the fire alarm and related signalization equipment required for the rehabilitated areas, including the CREI space, sanitary block for persons with reduced mobility and related circulation areas indicated in the approved drawings.

The system is intended to provide automatic fire detection, manual fire alarm activation, audible and visual alarm notification, alarm signal transmission, indication at the fire alarm control panel and coordination with related engineering systems, including ventilation shutdown where indicated in the approved documentation.

All equipment, materials, cables, accessories and fixing elements are to be new, certified, compatible with the installed system, compliant with the applicable EN 54 requirements where relevant, and suitable for use in an educational institution.

The SI/SIP works include, as applicable:
- supply and installation of the fire alarm control panel;
- supply and installation of smoke detectors;
- supply and installation of manual fire alarm call point;
- supply and installation of internal fire alarm siren;
- supply and installation of external audible/visual alarm device;
- supply and installation of remote LED indicators;
- supply and installation of alarm signal transmitter;
- supply and installation of reserve power supply and accumulators;
- supply and installation of "IEȘIRE" information panels;
- installation of fire alarm cabling, cable channels, conduits and fixing accessories;
- coordination of fire alarm signal interface with ventilation shutdown, where indicated;
- installation of related alarm/security signalization elements for the sanitary block for persons with reduced mobility;
- testing, commissioning, labelling, documentation and handover of the complete installation.

Exact locations, quantities, routes and technical parameters are indicated in the approved SI/SIP drawings, equipment specification and Bills of Quantities.

Main Fire Alarm Equipment and Devices
The fire alarm installation is executed using the equipment indicated in the approved specification and BoQ. The works include, as applicable:
- Fire alarm control panel: SmartLine 020/4 or equivalent, compliant with EN 54-2, complete with modules, terminals, enclosure and accessories required for operation;
- Alarm transmitter: ATS-100, one channel, or equivalent, for transmission of alarm signal;
- Reserve power supply: reserve power supply unit as indicated in the approved specification;
- Accumulators: 12 V / 17 Ah batteries, quantity indicated in the approved specification;
- Smoke detectors: ID100 smoke detectors or equivalent, compliant with EN 54-7;
- Manual fire alarm call point: IC0020 or equivalent, compliant with EN 54-11;
- Internal siren: ISO010RE or equivalent, compliant with relevant EN 54 requirements;
- External audible/visual alarm device: Ivy-R external siren / sound-and-light indicator or equivalent;
- Remote LED indicators: RI31 or equivalent;

- Exit information panels: “IEȘIRE” panels in the locations indicated in the approved layout.

The approved specification indicates the quantities for each item. The Contractor verifies all quantities against the approved BoQ and layout before procurement. Any inconsistency is clarified with the Engineer before ordering equipment.

Fire Alarm Control Panel and Power Supply
The fire alarm control panel is installed in the location indicated in the approved layout, in a suitable and accessible position for operation, inspection and maintenance.

The design indicates the use of a SmartLine20/4 fire alarm control panel, installed in a metal box/cabinet where indicated. The panel is to be fixed securely, connected to the power supply, connected to all fire alarm circuits, labelled and protected against unauthorized access or accidental damage.

The panel installation height and final position are coordinated on site, considering access, visibility, operation, wall condition, adjacent installations and the existing fire alarm/telecommunication infrastructure.

The system includes reserve power supply, including accumulators, as indicated in the approved specification. The reserve power supply is installed, connected and tested to confirm correct operation in case of mains power interruption.

Connection to the existing fire alarm or building alarm infrastructure, where applicable, is coordinated before execution with the Engineer, the school administration and the relevant maintenance/service representative.

Smoke Detectors
Smoke detectors are installed in the rooms and locations indicated in the approved fire alarm layout.
The design specifies ID100 smoke detectors or equivalent, compliant with EN 54-7. Detectors are installed according to the approved plan, numbered and labelled in accordance with the circuit/device identification.

Final detector positions are coordinated with the suspended ceiling, lighting fixtures, ventilation grilles, ducts, access panels, beams, partitions and room layout. Detectors are not to be installed in locations where their operation may be obstructed or affected by airflows, equipment, structural elements or finishing details.
Detectors are protected against dust, paint, plaster, mechanical impact and moisture during construction. Protective covers are removed before testing and commissioning.

Manual Fire Alarm Call Point and Alarm Devices
The manual fire alarm call point is installed on the evacuation/circulation route in the location indicated in the approved layout.

The design specifies manual call point IC0020 or equivalent, compliant with EN 54-11. The call point is installed at the height indicated in the design and applicable norms, with convenient and unobstructed access.

The internal siren and external audible/visual alarm device are installed in the locations indicated in the approved documentation. Alarm devices are positioned to ensure proper alarm perception in the rehabilitated areas and related circulation routes.
The external audible/visual alarm device is fixed securely and protected against weather exposure or mechanical damage where applicable.

Cabling and Cable Routing
Fire alarm cabling is executed in accordance with the approved fire alarm network scheme, cable routing plan and equipment specification.

The approved documentation indicates fire alarm and control cabling, including fire-resistant / low-smoke cable types such as КПСнг(А)-FRLSLTx and ВВГнг-FRLSLTx, or equivalent approved cables, with sections and quantities as indicated in the approved specification and BoQ.

Cable routes are installed concealed or protected as indicated in the design, including:
- plastic cable channel;
- wall and ceiling routes;
- above suspended ceiling areas;
- Ø20 mm corrugated tube with pulling wire;
- other protected routes indicated in the approved drawings.

Cable channels are installed straight, securely fixed and complete with covers, bends, joints, end pieces and accessories. Corrugated tubes are fixed properly and protected against crushing, deformation and mechanical damage.

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

Cable penetrations through walls, partitions or ceilings are executed carefully, using sleeves or protective bushings where required. Fire-rated penetrations, where applicable, are sealed with approved fire-stopping materials.

All cables are identified, labelled and grouped before final connection. Labels are installed at both ends of each cable and at relevant junction or transition points.

Interface with Ventilation Shutdown

In the process of implementation, coordination between the fire alarm system and automatic shutdown of ventilation equipment upon fire alarm signal, is required, where applicable.

The Contractor coordinates this interface with the electrical and ventilation compartments before execution. Control wiring, connection points, relay/interface elements and functional testing are carried out in accordance with the approved fire alarm and electrical schemes.

The ventilation shutdown interface is tested during commissioning to confirm that the required ventilation equipment is disconnected upon fire alarm signal, where specified.

Related Alarm / Security Signalization for Accessible Sanitary Block

The intervention also includes related alarm/security signalization elements for the sanitary block for persons with reduced mobility.

The works include, as applicable:

- central unit for security/alarm system, Ajax Hub or equivalent;
- internal wireless siren, Ajax HomeSIREN or equivalent;
- wireless alarm button, Ajax Button or equivalent;
- remote controls, Ajax SpaceControl or equivalent;
- wired emergency/alarm button for the sanitary block for persons with reduced mobility, where indicated in the approved layout;
- related visual and/or sound alarm elements indicated in the design documentation.

The emergency assistance/call button is installed in the accessible sanitary block in the position indicated in the approved layout. Its final location is coordinated with the WC cabin layout, door opening direction, support bars, lavatory, circulation space and accessibility requirements.

The system is intended to allow a person with reduced mobility to request assistance in case of emergency. The button and related alarm/signalization elements are installed, connected, configured and tested before handover.

Coordination with Other Works

SI/SIP works are coordinated with:

- indoor electrical installation and power supply;
- ventilation equipment and shutdown interface;
- suspended ceiling and ceiling access;
- lighting fixtures and electrical routes;
- TS/telecommunication works;
- WASH layout and accessible sanitary block equipment;
- wall finishes, doors, circulation routes and evacuation signage;
- existing school fire alarm or alarm infrastructure.

The Contractor verifies final device locations before installation to avoid conflict with luminaires, ventilation grilles, cable routes, ceiling panels, door openings, sanitary partitions, wall-mounted accessories or accessibility elements.

Any local reinstatement required after cable routing, drilling, fixing or device installation is included in the Contractor’s scope.

Testing, Commissioning and Handover

Before handover, the Contractor performs inspection, testing and commissioning of the completed SI/SIP and related alarm/signalization installation.

Testing and commissioning include, as applicable:

- visual inspection of fire alarm devices, control panel, cables, conduits, cable channels and junction points;
- verification of correct device location, fixing, accessibility and labelling;
- 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 call point;
- testing of internal siren and external audible/visual alarm device;
- verification of alarm indication at the control panel;
- fault simulation test, including open circuit and device fault indication where applicable;
- verification of reserve power supply and accumulator operation;
- testing of alarm signal transmission through the ATS transmitter;
- testing of ventilation shutdown interface where specified;
- testing of “IEȘIRE” information panels, where applicable;
- testing of the emergency assistance/call system and related alarm/signalization elements for the accessible sanitary block.

All defects, incorrect connections, missing labels, unstable fixings, damaged equipment, failed tests or incomplete works are corrected and retested before acceptance.

The SI/SIP system is considered ready for acceptance only when all devices, cables, control panel, alarm interfaces and related signalization elements are installed, connected, tested, labelled, documented, clean, operational and accepted by UNICEF and/or the Engineer.

The Contractor’s offer is deemed to include all materials, devices, cables, conduits, cable channels, fixing accessories, power supply elements, accumulators, testing, labelling, configuration, cleaning, reinstatement and all auxiliary works required for complete and functional execution of the SI/SIP 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.

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11.3 Telecommunications and Signalization System — TS

The Telecommunications and Signalization (TS) works are executed in accordance with the 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 design and manufacturer’s recommendations.

The TS works include, as applicable:

- connection of the new telecommunication routes to the existing school telecommunication cabinet/network;
- installation of UTP telecommunication cabling from the existing network to the designed outlets;
- installation of RJ-45 data/Internet outlet;
- installation of TV outlet;
- installation of cable channels, corrugated tubes, mounting boxes, connectors and fixing accessories;
- installation of autonomous wall clock and related power supply element;
- coordination with nearby 220 V electrical sockets provided under the electrical design;

- testing, labelling, cleaning and handover of the completed TS installation.

The exact locations, cable routes, quantities and installation points are indicated in the approved TS drawings, specifications and BoQ.

Main Equipment and Materials

The TS installation is executed using the materials and equipment indicated in the approved specification and BoQ.

The works include, as applicable:

- structured cabling network elements;
- data socket with RJ-45 module and frame;
- TV socket;
- Ø50 mm mounting box, “Eurodoza” type or equivalent;
- UTP Cat.5e cable;
- UTP Cat.5e patch cords, including 0.5 m and 1.5 m lengths where indicated;
- RJ-45 Cat.5e connectors;
- Ø20 mm corrugated polyethylene tube;
- plastic cable channel 10 x 20 mm, complete with covers and accessories;
- small fixing materials and accessories;
- autonomous wall clock;
- autonomous power supply element.

All proposed equipment and materials are subject to review by the Engineer before installation, where requested.

Cable Routing and Installation Requirements

Telecommunication cabling is installed in accordance with the approved routing plan. The design provides for UTP Cat.5e cabling routed from the existing telecommunication network/cabinet to the designed data and TV outlets.

Cables are installed concealed where indicated, including in wall chases, cable channels and Ø20 mm corrugated tube for drops to outlets. The routing is coordinated with the suspended ceiling, wall finishes, electrical installations, lighting fixtures, heating and ventilation elements, water and sewerage installations and other building systems.

The Contractor verifies the existing connection point, routing feasibility, wall and ceiling conditions and possible conflicts before starting installation. Any discrepancy or obstruction is reported to the Engineer before execution.

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

Cable channels are installed straight, level, securely fixed and complete with covers, bends, joints, end pieces and accessories. Visible routes are to be neat, clean and coordinated with the final room finishes.

Penetrations, chases and openings required for TS cabling are executed carefully. Affected surfaces are repaired and reinstated after installation to match the surrounding finishes.

Data/Internet and TV Outlets

The RJ-45 data/Internet outlet is installed in the location indicated on the approved TS layout and connected to the existing telecommunication network through UTP Cat.5e cabling.

Internet outlet is to be installed at approximately 0.30 m above finished floor level, unless otherwise specified in the approved drawings.

The TV outlet is installed in the location indicated in the approved documentation. The TV outlet is to be mounted on the wall at approximately 2.30 m above finished floor level, unless otherwise specified.

RJ-45 connectors, sockets and patch cords are installed and terminated in accordance with the selected cabling category and manufacturer’s instructions.

The final location of outlets is coordinated with nearby electrical sockets, furniture, wall finishes, CREI layout and accessibility requirements. TS outlets are to be securely fixed, properly aligned, cleanly finished and accessible for use and maintenance.

Autonomous Wall Clock

The autonomous wall clock is installed in the room and location indicated in the approved TS documentation. The clock is to be autonomous, with individual power supply, suitable for indoor use and appropriate for an educational environment. The clock model and brand are to be coordinated with the Beneficiary, and that the clock diameter is not to be less than 300 mm.

The clock is securely fixed, properly aligned and installed after completion of the relevant wall finishes. The installation must not damage finished surfaces or interfere with other wall-mounted equipment.
The autonomous power supply element is installed and checked before handover.

Labelling and Identification
All telecommunication cables are to be identified, marked and grouped before installation.
Cable labels are installed at both ends of each cable and at wall passage points where applicable. Outlets, cable ends and connection points are labelled consistently with the approved layout and final executed condition.
Labelling is to remain visible, durable and suitable for future maintenance.

TS works are coordinated with:
- indoor electrical installations and 220 V sockets;
- lighting fixtures and electrical routes;
- suspended ceiling and wall finishes;
- heating and ventilation installations;
- sanitary works, where applicable;
- CREI room layout and furniture arrangement;
- accessibility routes and circulation areas;
- existing telecommunication infrastructure of the school.

The Contractor is responsible for ensuring that TS routes and devices do not conflict with luminaires, ventilation equipment, heating elements, sanitary installations, furniture or accessibility elements.

Any local reinstatement required after cable routing, chasing, fixing or outlet installation is included in the Contractor's scope.

Testing, Commissioning and Handover
Before handover, the Contractor performs inspection, testing and commissioning of the completed TS installation.

Testing and commissioning include, as applicable:
- visual inspection of cable routes, conduits, cable channels, mounting boxes and outlets;
- verification of correct outlet location, height, fixing, alignment and labelling;
- continuity testing of UTP cables;
- verification of RJ-45 termination and correct pin arrangement;
- testing of the data/Internet connection point;
- verification of the TV outlet connection;
- checking of patch cords and connectors;
- functional check of the autonomous wall clock and power supply element;
- verification that cable channels are closed, clean and properly fixed;
- confirmation that all affected surfaces have been repaired and finished.

All defects, incorrect connections, missing labels, unstable fixings, damaged outlets or incomplete works are corrected before acceptance.

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 the Engineer.
The Contractor's offer is deemed to include all materials, cables, connectors, outlets, cable channels, conduits, fixing accessories, mounting boxes, patch cords, wall clock, power supply elements, testing, labelling, cleaning, reinstatement and all 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

General Requirements

The WASH facilities and sanitary block works are executed in accordance with the approved architectural-constructive documentation, sanitary equipment layouts, finishing schedules, floor build-up details, door and partition schedules, Bills of Quantities, applicable Moldovan construction regulations, accessibility requirements, manufacturer's instructions and directions issued by UNICEF and/or the Engineer.

The works cover rehabilitation and adaptation of the sanitary group in Block "A" and "B", including boys' SG, girls' SG, and sanitary group for teachers/persons with reduced mobility.
The completed sanitary block is to be safe, hygienic, accessible, durable, easy to clean, functional and suitable for intensive use in an educational institution.

All materials, equipment, fixtures, fittings and accessories supplied by the Contractor are to be new, certified, suitable for use in sanitary spaces, resistant to moisture and regular cleaning, and compliant with the approved technical documentation and applicable quality requirements.

The WASH works include, as applicable:
- dismantling and removal of existing sanitary equipment, finishes, partitions, ceilings, pipes, ventilation channels, heating elements and lighting fixtures within the sanitary block area;
- execution of new partitions, closure elements and related local construction works;
- reconstruction of floor layers and installation of anti-slip ceramic floor tiles;
- execution of wall finishes with ceramic tiles;
- execution of suspended ceiling works in sanitary rooms;
- installation of internal doors, aluminium-profile partitions and related closing elements;
- installation of sanitary equipment, lavatories, WC fixtures, mirrors, support bars and accessibility accessories;
- local reinstatement of affected surfaces and connection areas;
- coordination with water supply and sewerage, electrical, ventilation, heating, SIP/TS and accessibility works;
- testing, cleaning and handover of the sanitary block in complete and functional condition.

The exact quantities, dimensions, room configuration, equipment locations and finishing areas are governed by the approved drawings, schedules, specifications and BoQ.

Sanitary Rooms Covered by the Works
The WASH works cover the sanitary rooms and related areas indicated in the approved drawings.
For Block A, the works cover:
- sanitary room for persons with reduced mobility;
- related circulation and connection areas affected by the works.

For Block B, the works cover:
- canteen sink area
- related areas affected by the WASH works.

The exact limits of each room, internal dimensions, door openings, partitions, pipe routes and equipment positions are to be checked against the approved drawings and verified on site before execution.

Dismantling and Preparation Works
Before starting dismantling works, the Contractor verifies the existing site conditions, sanitary equipment, pipe routes, ventilation channels, electrical routes, heating elements, partitions, floor levels, wall condition and ceiling condition.

Existing installations are to be identified, protected, disconnected, diverted or dismantled only after coordination with UNICEF and/or the Engineer and the relevant specialists.

Dismantling works include, as applicable:
- dismantling of existing WC pans, lavatories and related sanitary fixtures;
- dismantling of existing hand dryers and boilers;
- dismantling or removal of existing water, sewerage and ventilation pipes/channels;
- dismantling of existing doors, glazed partitions and partition elements;
- removal of existing wall finishes, including plaster and ceramic tiles where indicated;
- removal of existing floor finishes, screeds and related floor layers;
- removal of ceiling finishes where required;
- demolition or adjustment of existing partition walls and door openings where indicated;
- removal of construction waste from the site.

Demolition and dismantling works are carried out carefully to avoid damage to structural elements, utilities, adjacent rooms, retained finishes and school property. Existing building elements not included in the intervention are protected throughout the works.

If unforeseen site conditions, hidden defects or discrepancies are identified during dismantling, the Contractor informs the Engineer before continuing the affected works.

Materials resulting from dismantling and demolition are to be removed in a controlled manner and disposed of according to applicable waste management requirements.

Floor Works

Sanitary room floors are to be finished with anti-slip ceramic tiles, class R9–R11, grey colour or approved equivalent.

For sanitary areas constructed over the existing reinforced-concrete slab, the floor build-up includes:
- self-levelling mortar;
- ceramic tile adhesive;
- anti-slip ceramic tiles R9–R11 color RAL Classic Grey 7001-7047.

Before installation of new layers, the Contractor verifies the condition of the existing slab, moisture condition, level differences, cracks, unstable areas and connections with adjacent corridor floors.

The final floor level in the sanitary rooms is to be coordinated with corridor levels, door thresholds, drainage connections, sanitary equipment and accessibility requirements. The finished floor must not create unsafe thresholds, abrupt level differences, tripping hazards or obstacles to accessible movement.

Ceramic tiles are installed on a stable, level and properly prepared substrate. The finished floor surface is to be even, anti-slip, easy to clean, resistant to moisture and suitable for school sanitary facilities.

Joints are to be uniform, properly filled and resistant to moisture. Tile cuts around sanitary equipment, partitions, drains, pipe penetrations and thresholds are executed neatly.

Wall Finishes
Wall finishes in the sanitary block are executed in accordance with the approved wall finishing schedule and room layout.

For WASH rooms the wall finishes include ceramic tile finishing over the full wall height.
For existing limestone block walls, W-1 finish includes:
- concrete-contact primer;
- cement-sand plaster mortar M50 on metal mesh Ø4 Bp-I, spacing 150 x 150 mm, with Ceresit waterproofing admixture;
- primer for ceramic tile fixing;
- ceramic tile adhesive;
- white ceramic wall tiles, color RAL 9003, over the full wall height.

Wall surfaces are prepared by removing unstable materials, dust, residues and loose layers. Plaster, primers, adhesives and ceramic tiles are applied in accordance with manufacturer's instructions and approved specifications.

Ceramic wall tiles are to be moisture-resistant, easy to clean, uniform in colour and properly aligned. Tile joints are to be straight, consistent, filled and finished neatly.

Corners, edges, pipe penetrations, sanitary equipment fixing points, door frames and junctions with floors and ceilings are completed cleanly and safely.

Wall Finish— Marked Corridor Area
Wall finish type applies to the marked corridor area and is executed on existing walls, in accordance with the approved wall finishing schedule, drawings, technical specifications and Bills of Quantities.

The wall finishing system includes:
- concrete-contact primer applied to the prepared substrate;
- cement-sand plaster mortar M50 on metal mesh Ø4 Bp-I, spacing 150 x 150 mm (1.5 kg/m²);
- deep penetration primer;

- smoothing/rendering with dry mix on fiberglass mesh 80 g/m²;
- putty layer with Eurofin or approved equivalent;
- finishing skim coat with Seefrock or approved equivalent;
- primer coat;
- painting with acrylic-polymeric emulsion paint with increased resistance, 2 coats, colour RAL 9003.

Ceiling Works
Ceiling works in WASH rooms are executed using type I.
The ceiling system includes:
- suspended ceiling made of moisture-resistant gypsum plasterboard PGCU on aluminum profile frame;
- gypsum-based putty layer — 2 mm;
- high-quality skim coat — 0.5 mm;
- primer;
- acrylic-polymeric emulsion paint with increased resistance, 2 coats, colour RAL 9003.

The suspended ceiling is installed level, stable and properly coordinated with lighting fixtures, ventilation grilles, SIP/TS devices, cable routes and wall finishes. Openings for equipment are cut accurately and finished cleanly. Ceiling materials are to be suitable for sanitary spaces, resistant to moisture exposure normally expected in school WASH facilities and compatible with ventilation and electrical installations.

Sanitary Equipment and Accessibility Accessories
Sanitary equipment and accessibility accessories are installed in accordance with the approved room layout, equipment arrangement, BoQ and applicable accessibility requirements.

The works include, as applicable:
- WC fixtures and related accessories;
- lavatories;
- mirrors;
- support bars for persons with reduced mobility;
- sanitary equipment and accessories for the accessible sanitary room;
- related fixing elements, connection accessories and local reinstatement.

The sanitary equipment and accessories to be supplied and installed for the WASH facilities include the following items:
- WC pans;
- WC equipment for persons with reduced mobility;
- lavatories;
- taps and mixers;
- traps, valves and flexible connections;
- hand dryers;
- mirrors;
- soap dispensers;
- toilet paper holders;
- waste bins;
- toilet brush holders;
- electric boilers;
- horizontal, vertical and foldable support bars;
- other accessibility accessories shown in the approved documentation..

Equipment intended for persons with disabilities is installed in accordance with CP C.01.02-2003 and other applicable national accessibility requirements referenced in the project documentation.

The accessible sanitary space is to ensure safe, convenient and independent use. Clearances around the WC, lavatory, support bars, door opening and circulation area are to be maintained.

Support bars are fixed securely to walls or structural backing capable of resisting normal use loads. Fixings are selected according to the wall substrate and equipment manufacturer’s requirements.

Mirrors, lavatories and accessories are positioned for convenient use and coordinated with door swings, support bars, circulation space, wall finishes and other installed equipment.

Doors and Sanitary Partitions
Doors and sanitary partitions are installed in accordance with the approved door and partition schedule.
The works include, as applicable installation of aluminium-profile doors with handle and exterior lock.
For Block A, the door schedule includes:

- U-1 — 1000 x 2100 mm, 1 units;

Actual door are verified on site before procurement and installation. Doors are to be installed plumb, level, securely fixed and fully functional.

Door operation, clear opening width, threshold condition and connection with accessible routes are checked before handover. Doors must not obstruct sanitary equipment, circulation space or accessibility clearances.

Coordination with Water Supply, Sewerage and Ventilation Works

WASH architectural works are coordinated with the water supply and sewerage compartment, ventilation works, electrical installation, SIP/TS systems and heating works.

The Contractor coordinates:

- pipe routes and connection points;
- sewerage closure channels;
- wall and floor penetrations;
- ventilation openings through external walls;
- openings for ventilation channels, including Ø150 / Ø200 mm holes where required;
- installation sequence for sanitary pipes, electrical cables, ventilation components and finishing works.

Flooring and interior finishing works are executed only after concealed or embedded utilities have been installed, inspected and accepted where required.

All penetrations, chases and openings are finished neatly after installation of utilities. Affected surfaces are reinstated to match surrounding finishes.

Installation Requirements

Before procurement and installation, the Contractor verifies:

- actual room dimensions and floor levels;
- wall substrate condition and fixing capacity;
- existing and new utility connection points;
- equipment layout and clearances;
- door openings and circulation routes;
- coordination with accessibility requirements;
- compatibility between equipment, finishes and installations.

Sanitary equipment and accessories are installed using appropriate anchors, brackets, screws, seals and connection accessories suitable for the substrate and intended use.

Connections to water supply and drainage are executed tightly and safely, without leaks, unstable fittings or exposed unsafe elements.

All equipment is installed cleanly, aligned properly and protected against damage until handover.

Testing, Cleaning and Handover

Before handover, the Contractor verifies and tests all sanitary block works, equipment, finishes and accessories.

Testing and verification include, as applicable:

- visual inspection of floors, walls, ceilings, doors and partitions;
- verification of floor levels, thresholds and accessibility conditions;
- leak testing of lavatories, WC fixtures and drainage connections;
- functional testing of taps, drainage and related fittings;
- verification of stability and fixing of support bars and accessories;
- checking of mirrors, doors, locks, partitions and sanitary accessories;
- verification that accessible circulation and use of the sanitary room are not obstructed;
- confirmation that all affected surfaces are repaired, cleaned and reinstated.

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

The sanitary block is considered ready for acceptance only when all works are complete, clean, functional, safe, accessible, properly connected, tested, documented and accepted by UNICEF and/or the Engineer.

The Contractor's offer is deemed to include all materials, equipment, accessories, fixings, connection items, minor adjustments, local reinstatement, testing, cleaning and auxiliary works required for complete and functional execution of the WASH facilities. Additional payment claims for standard accessories, fixings, connection elements or coordination 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 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 behavior, 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 design documentation, Bills of Quantities, 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. Equivalent 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 submits 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 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, 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 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 fulfillment 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

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum
1	2	3	4	5
		Capitolul 1. Bloc A parter existent **Capitolul 1.1. Demolari**		
1	RpCO56A	Demontari: timplarie - usi	m2	20,0000
2	RpCB18F	Demolarea betoanelor vechi cu mijloace mecanice, beton simplu - trepte	m3	3,0000
3	RpCK42A	Desfacerea sapei de mortar de ciment (inclusiv toate straturile)	m2	20,0000
4	RpCB18F	Demolarea betoanelor vechi cu mijloace mecanice, beton simplu - pereu	m3	1,0000
5	RpCK42C	Desfacerea pardoselilor gresie	m2	20,0000
6	RpIC19D	Demontarea tevii negri, pentru instalatii, montate la incalzire centrala prin sudare, la constructii de locuit si social culturale, la legarea aparatelor, a coloanelor de distributie etc. avind diametrul de 2 1/2" -3" (de exclus tabla neagra 4 mm)	m	18,0000
		Capitolul 1.2. Evacuare gunoi		
7	TrB05B2-5	Transportul, prin purtare directa, al materialelor incomode, avind peste 25 kg, pe distanta de 50 m	t	12,6000
8	TrI1AA02C3	Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3	t	12,6000
9	TsI50A5	Transportarea pamintului cu autobasculanta de 5 t la distanta de 5 km (evacuarea gunoiului)	t	12,6000
		Capitolul 1.3. Marcaj tactil		
10	CI17A	Montarea marcajului tactil M-1, AxBxC 400x400x0,8 mm - 15 buc.	m2	2,4000
11	CI17A	Montarea marcajului tactil M-2, AxBxC 150x600x0,8 mm - 70 buc.	m2	6,3000
		Capitolul 1.4. Tamplarie		
12	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 (2 buc.)	m2	12,8000
		Capitolul 1.5. Pardosea		
13	IzF31A	Hidroizolarea suprafetelor cu "Ghidroizol" intr-un strat	m2	45,0000
14	CC03C	Montare plase sudate la inaltimi mai mici sau egale cu 35 m, la placi VRI D5 pas 150x150 mm	kg	139,5000
15	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin - cu adaos hidroizolant Ceresit	m2	45,0000
16	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	m2	45,0000

1	2	3	4	5
		fiecare 0,5 cm de strat suport din mortar M 200, se adauga sau se scade		
17	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600*10 mm	m2	45,0000
		Capitolul 1.6. Pereti		
18	CN53A	Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2	m2	10,0000
19	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	10,0000
20	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	10,0000
21	CN53A	Grunduirea suprafetelor interioare a peretilor	m2	10,0000
22	CF57A	Aplicarea manuala a chitului pe baza de ipsos "Eurofin" grosime 1,0 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	10,0000
23	CF56A	Aplicarea manuala a chitului pentru lucrari la interior "Sheetrok" grosime 0,5 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	10,0000
24	CN53A	Grunduirea suprafetelor interioare a peretilor	m2	10,0000
25	CN06A	Vopsitorii interioare cu vopsea pe baza de copolimeri vinilici in emulsie apoasa, aplicate in 2 straturi pe glet existent, executate manual	m2	10,0000
		Capitolul 1.7. Balustrada B-1		
26	CL18A	Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton	kg	569,1800
27	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	0,5700
28	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	0,5700
29	pret de piata	Element decorativ 50x50x50h	buc	80,0000
30	pret de piata	Element decorativ 80x80x30h	buc	40,0000
		Capitolul 1.8. Rampa monolita Rm-1		
31	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	0,2000
32	TsC22A1 k=7	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	0,2000
33	TsI50A10	Transportarea pamintului cu autobasculanta de 5 t la distanta de 10 km	t	15,0000
34	TsC51A	Lucrari la descarcarea pamintului in depozit, teren categoria I	100 m3	0,2000
35	TsC54C	Strat de fundatie din pietris	m3	2,5000

1	2	3	4	5
36	TsC03F1	Sapatura mecanica cu excavatorul de 0,40-0,70 mc, cu motor cu ardere interna si comanda hidraulica, in pamint cu umiditate naturala, descarcare in autovehicule teren catg. II (argila)	100 m3	0,0500
37	pret de piata	Costul argilei	m3	5,0000
38	TsI50A10	Transportarea pamintului cu autobasculanta de 5 t la distanta de 10 km (argila)	t	9,0000
39	TsC51B	Lucrari la descarcarea pamintului in depozit, teren categoria II	100 m3	0,0500
40	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
41	CB03A	Cofraje din panouri refolosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineti, fundatii pahar si fundatii de utilaje inclusiv sprijinirile	m2	12,0000
42	CA03H	Beton turnat in fundatii, socluri, ziduri de sprijin, pereti sub cota zero, preparat cu centrala de betoane si turnarea cu pompa pe verticala (adincime) pina la 10 m inclusiv si pe orizontala pina la 15 m inclusiv, beton simplu clasa C 8/10	m3	2,5000
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 (D8 mm B500B)	kg	106,5200
44	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 (D8 mm A240)	kg	48,5400
45	CC01F1	Armaturi din otel beton PC 52 fasonate in ateliere de santier si montate cu diametrul barelor peste 8 mm inclusiv in fundatii continue si radiere (D10 mm B500B)	kg	172,7600
46	CC01F1	Armaturi din otel beton PC 52 fasonate in ateliere de santier si montate cu diametrul barelor peste 8 mm inclusiv in fundatii continue si radiere (D12 mm B500B)	kg	186,4700
47	CA03J	Beton turnat in fundatii, socluri, ziduri de sprijin, pereti sub cota zero, preparat cu centrala de betoane si turnarea cu pompa pe verticala (adincime) pina la 10 m inclusiv si pe orizontala pina la 15 m inclusiv, beton armat clasa C 30/37 XF3	m3	10,0000
48	IzF31A	Hidroizolarea suprafetelor cu "Ghidroizol" intr-un strat	m2	60,0000
49	CC03C	Montare plase sudate la inaltimi mai mici sau egale cu 35 m, la placi Vrl D4 mm 150x150	kg	90,0000
50	IzF53A	Executarea manuala a suportului pardoselii cu strat termoizolant din placi extrudate de polistiren inspumat, grosime 30 mm, intr-un strat	m2	10,0000
51	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin	m2	30,0000
52	CG01A1 k=2	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata	m2	30,0000

1	2	3	4	5
		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		
53	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm	m2	60,0000
		Capitolul 1.9. Balustrada B-2		
54	CL18A	Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton	kg	258,4300
55	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	0,2584
56	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	0,2584
57	pret de piata	Element decorativ 50x50x50h	buc	40,0000
58	pret de piata	Element decorativ 80x80x30h	buc	20,0000
		Capitolul 2. Bloc A parter proiectat **Capitolul 2.1. Demolari**		
59	RpCK42A	Desfacerea sapei de mortar de ciment (inclusiv toate straturile)	m2	50,0000
60	RpCO56A	Demontari: timplarie - usi	m2	9,0000
61	RpCJ35A	Desfaceri de tencuieli ale peretilor interiori, inclusiv placaj din gipscarton	m2	70,0000
62	RpCO56C	Demontari: tavan suspendat din gipscarton	m2	38,0000
63	RpVA35A	Demontarea canalelor de ventilatie din tabla neagra, zincata sau aliminiu, avind perimetrul sectiunii rectangulare sau circulare de 250 - 700 mm	m2	18,0000
64	RpIB12B	Demontari calorifere	buc	1,0000
65	RpEF23A	Demontari de corpuri de iluminat orice tip, inclisiv tijele si globurile	buc	6,0000
66	RpCK41C	Desfacerea pardoselilor din covor din PVC inclusiv plintele din lemn	m2	30,0000
67	RpCG29D	Demolarea peretilor de zidarie din spargeri pentru creeri de goluri in zidarie	m3	0,2000
68	RpSC05A	Demontarea unui lavoar de faianta, inclusiv accesoriile	buc	1,0000
69	RpSC06A	Demontarea unui vas de closet din faianta, complet echipat	buc	1,0000
70	RpCK42C	Desfacerea pardoselilor gresie	m2	10,0000
		Capitolul 2.2. Evacuare gunoi		
71	TrB05B2-5	Transportul, prin purtare directa, al materialelor incomode, avind peste 25 kg, pe distanta de 50 m	t	17,1000
72	TrI1AA02C3	Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3	t	17,1000
73	TsI50A5	Transportarea pamintului cu autobasculanta de 5 t la distanta de 5 km (evacuarea gunoiului)	t	17,1000
		Capitolul 2.3. Tamplarie		

1	2	3	4	5
74	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 (3 buc.)	m2	13,8600
75	CK12A	Usa cu pinza de placaj laminat 40 mm, cu cutie metalica, sticla triplex 4x4 mm, dotata in set cu minere de inox (1 buc.)	m2	2,1000
76	CK26C	Pervazuri montate la ferestre sau usi din mase plastice (l=0,3 m, grosimea 2 cm, culoare alba)	m	6,0000
		Capitolul 2.4. Finisare pereti **Capitolul 2.4.1. W-1**		
77	CN53A	Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2	m2	10,0000
78	CC03A	Montare plase sudate la inaltimi mai mici sau egale cu 35 m, la pereti si diafragme, cu greutatea plaselor pina la 3 kg/mp VR1-d4 mm 150x150	kg	15,0000
79	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 - cu adaos hidroizolant Ceresit	m2	10,0000
80	CF17B k=4	Diverse lucrari - diferenta de grosime, +- 5 mm la stratul de grund aplicat la pereti, executat cu mortar	m2	10,0000
81	CN53A	Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2	m2	10,0000
82	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 pentu montarea placajelor	m2	10,0000
		Capitolul 2.4.2. W-2		
83	CN53A	Grunduirea suprafetelor - Betonocontact Consum 0,27 kg/m2	m2	75,0000
84	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	75,0000
85	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	75,0000
86	CN53A	Grunduirea suprafetelor interioare a peretilor	m2	75,0000
87	CF57A	Aplicarea manuala a chitului pe baza de ipsos "Eurofin" grosime 1,0 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	75,0000

1	2	3	4	5
88	CF56A	Aplicarea manuala a chitului pentru lucrari la interior "Sheetrok" grosime 0,5 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	75,0000
89	CN53A	Grunduirea suprafetelor interioare a peretilor	m2	75,0000
90	CN06A	Vopsitorii interioare cu vopsea pe baza de copolimeri vinilici in emulsie apoasa, aplicate in 2 straturi pe glet existent, executate manual	m2	75,0000
		Capitolul 2.5. Finisare tavane **Capitolul 2.5.1. T-1**		
91	CF59D	Placarea suprafetelor cu un strat de PGC cu executarea carcasei metalice simple plane, cu inaltimea pina la 4 m: tavane fara izolatie (antiumezeala)	m2	10,0000
92	CN53A	Grunduirea suprafetelor interioare a tavanelor	m2	10,0000
93	CF57A k=2	Aplicarea manuala a chitului pe baza de ipsos "Eurofin" grosime 2,0 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	10,0000
94	CF56A	Aplicarea manuala a chitului pentru lucrari la interior "Sheetrok" grosime 0,5 mm pe suprafetele peretilor, coloanelor si tavanelor	m2	10,0000
95	CN53A	Grunduirea suprafetelor interioare a tavanelor	m2	10,0000
96	CN06A	Vopsitorii interioare cu vopsea pe baza de copolimeri vinilici in emulsie apoasa, aplicate in 2 straturi pe glet existent, executate manual	m2	10,0000
		Capitolul 2.5.2. T-2		
97	CK29F	Tavane suspendate din panouri prefabricate "Armstrong (600 x 600 mm)", inclusiv sistemul-grila	m2	35,0000
		Capitolul 2.6. Finisare pardosele **Capitolul 2.6.1. P-1**		
98	IzF04J1	Folie PE	m2	35,0000
99	CA02C	Beton simplu turnat in egalizari, pante, sape la inaltimi pina la 35 m inclusiv, preparat cu centrala de betoane conform art. CA01 sau beton marfa, turnare cu mijloace clasice (Strat termoizolator din cimentoplast grosimea 10 cm)	m3	3,5000
100	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin - cu adaos hidroizolant Ceresit	m2	35,0000
101	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	35,0000
102	CG56B	Sapa din amestec de autonivelare "Nivelir": grosime 20 mm	m2	35,0000
103	CG36A	Pardoseli din placi laminat montale pe uscat cu pozarea stratului sintetic pe suport existent, inclusiv plintele de lemn si curatarea, in incaperii mai mare de 16 mp (Laminat grosime 10 mm, clasa de trafic C33, Plinte PVC)	m2	35,0000
		Capitolul 2.6.2. P-2		
104	IzF31A	Hidroizolarea suprafetelor cu "Ghidroizol" intr-un strat	m2	40,0000

1	2	3	4	5
105	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin - cu adaos hidroizolant Ceresit	m2	40,0000
106	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	40,0000
107	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600 mm	m2	40,0000
		Capitolul 2.6.3. P-1		
108	IzF04J1	Folie PE	m2	10,0000
109	CA02C	Beton simplu turnat in egalizari, pante, sape la inaltimi pina la 35 m inclusiv, preparat cu centrala de betoane conform art. CA01 sau beton marfa, turnare cu mijloace clasice (Strat termoizolator din cimentoplast grosimea 10 cm)	m3	1,0000
110	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin - cu adaos hidroizolant Ceresit	m2	10,0000
111	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	10,0000
112	CG56A	Sapa din amestec de autonivelare "Nivelir": grosime 10 mm	m2	10,0000
113	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600 mm	m2	10,0000
		Capitolul 3. Galerie **Capitolul 3.1. Demolari**		
114	RpCO56A	Demontari: timplarie - usi	m2	6,0000
115	RpCB18F	Demolarea betoanelor vechi cu mijloace mecanice, beton simplu - trepte	m3	3,0000
116	RpSC05A	Demontarea unui lavoar de faianta, inclusiv accesoriile	buc	1,0000
117	RpCJ35A	Desfaceri de tencuieli ale peretilor interiori	m2	13,0000
118	RpCK42C	Desfacerea pardoselilor gresie	m2	20,0000
119	RpCK42A	Desfacerea sapei de mortar de ciment (inclusiv toate straturile)	m2	20,0000
120	RpCG29D	Demolarea peretilor de zidarie din spargeri pentru creeri de goluri in zidarie	m3	0,2000
		Capitolul 3.2. Evacuare gunoi		
121	TrB05B2-5	Transportul, prin purtare directa, al materialelor incomode, avind peste 25 kg, pe distanta de 50 m	t	4,5000
122	TrI1AA02C3	Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3	t	4,5000
123	TsI50A5	Transportarea pamintului cu autobasculanta de 5 t la distanta de 5 km (evacuarea gunoiului)	t	4,5000
		Capitolul 3.3. Marcaj tactil		
124	CI17A	Montarea marcajului tactil M-1, AxBxC 400x400x0,8 mm - 15 buc.	m2	2,4000

1	2	3	4	5
125	CI17A	Montarea marcajului tactil M-2, AxBxC 150x600x0,8 mm - 70 buc.	m2	6,3000
		Capitolul 3.4. Tamplarie		
126	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 (5 buc.)	m2	27,6800
		Capitolul 3.5. Pardosea		
127	IzF04J1	Folie PE	m2	7,0000
128	CA02C	Beton simplu turnat in egalizari, pante, sape la inaltimi pina la 35 m inclusiv, preparat cu centrala de betoane conform art. CA01 sau beton marfa, turnare cu mijloace clasice (Strat termoizolator din cimentoplast grosimea 5 cm)	m3	0,3500
129	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin - cu adaos hidroizolant Ceresit	m2	7,0000
130	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
131	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), dimensiuni placi: 600*600*10 mm	m2	7,0000
132	CI14A	Plinte din placi de ceramica aplicate cu adeziv 60x7 cm	m	6,0000
		Capitolul 3.6. Rampa monolita Rm-3		
133	RpCA01A	Sapaturi manuale de pamint in spatii limitate, avind sub 1,00 m latime si maximum 1,5 m adincime, cu taluz vertical, pentru gropi poligonale de fundatii, santuri, canale etc., executate in cantitati de pina la 20 mc cu maluri nesprijinite	m3	2,6700
134	TsC54C	Strat de fundatie din pietris	m3	2,5000
135	CB03A	Cofraje din panouri refolosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineti, fundatii pahar si fundatii de utilaje inclusiv sprijinirile	m2	5,0000
136	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 (D8 mm B500B)	kg	59,2300
137	CC01F1	Armaturi din otel beton PC 52 fasonate in ateliere de santier si montate cu diametrul barelor peste 8 mm inclusiv in fundatii continue si radiere (D10 mm B500B)	kg	61,7000
138	CA03J	Beton turnat in fundatii, socluri, ziduri de sprijin, pereti sub cota zero, preparat cu centrala de betoane si turnarea cu pompa pe verticala (adincime) pina la 10 m inclusiv si pe orizontala pina la 15 m inclusiv, beton armat clasa C16/20	m3	10,0000

1	2	3	4	5
139	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin	m2	30,0000
140	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 cm de strat suport din mortar M 200, se adauga sau se scade	m2	30,0000
141	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm	m2	30,0000
		Capitolul 3.7. Balustrada B-1		
142	CL18A	Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton	kg	326,2600
143	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	0,3267
144	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	0,3267
145	pret de piata	Element decorativ 50x50x50h	buc	54,0000
146	pret de piata	Element decorativ 80x80x30h	buc	27,0000
		Capitolul 3.8. Rampa monolita Rm-4		
147	RpCA01A	Sapaturi manuale de pamint in spatii limitate, avind sub 1,00 m latime si maximum 1,5 m adincime, cu taluz vertical, pentru gropi poligonale de fundatii, santuri, canale etc., executate in cantitati de pina la 20 mc cu maluri nesprijinite	m3	5,0000
148	TsI50A10	Transportarea pamintului cu autobasculanta de 5 t la distanta de 10 km	t	8,7500
149	TsC51A	Lucrari la descarcarea pamintului in depozit, teren categoria I	100 m3	0,0500
150	TsC54C	Strat de fundatie din pietris	m3	1,0000
151	TsC03F1	Sapatura mecanica cu excavatorul de 0,40-0,70 mc, cu motor cu ardere interna si comanda hidraulica, in pamint cu umiditate naturala, descarcare in autovehicule teren catg. II (argila)	100 m3	0,0200
152	pret de piata	Costul argilei	m3	2,0000
153	TsI50A10	Transportarea pamintului cu autobasculanta de 5 t la distanta de 10 km (argila)	t	3,5000
154	TsC51B	Lucrari la descarcarea pamintului in depozit, teren categoria II	100 m3	0,0200
155	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	0,0200
156	CB03A	Cofraje din panouri refolosibile, cu placaj de 15 mm pentru turnarea betonului in cuzineti, fundatii pahar si fundatii de utilaje inclusiv sprijinirile	m2	7,6000

1	2	3	4	5
157	CA03H	Beton turnat in fundatii, socluri, ziduri de sprijin, pereti sub cota zero, preparat cu centrala de betoane si turnarea cu pompa pe verticala (adincime) pina la 10 m inclusiv si pe orizontala pina la 15 m inclusiv, beton simplu clasa C 8/10	m3	1,0000
158	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 (D8 mm B500B)	kg	39,4900
159	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 (D8 mm A240)	kg	48,5400
160	CC01F1	Armaturi din otel beton PC 52 fasonate in ateliere de santier si montate cu diametrul barelor peste 8 mm inclusiv in fundatii continue si radiere (D10 mm B500B)	kg	150,8200
161	CA03J	Beton turnat in fundatii, socluri, ziduri de sprijin, pereti sub cota zero, preparat cu centrala de betoane si turnarea cu pompa pe verticala (adincime) pina la 10 m inclusiv si pe orizontala pina la 15 m inclusiv, beton armat clasa C 30/37 XF3	m3	5,0000
162	IzF53A	Executarea manuala a suportului pardoselii cu strat termoizolant din placi extrudate de polistiren inspumat, grosime 30 mm, intr-un strat	m2	5,0000
163	CG01A	Strat suport pentru pardoseli executat din mortar din ciment M 100-T de 3 cm grosime cu fata driscuita fin	m2	15,0000
164	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 cm de strat suport din mortar M 200, se adauga sau se scade	m2	15,0000
165	CG47D	Pardoseli din placi de portelonat, inclusiv stratul suport din adezivi (amestec uscat), - placi ceramice antiderapante grosime 10 mm	m2	15,0000
		Capitolul 3.9. Balustrada B-2		
166	CL18A	Confectii metalice diverse din profile laminate, tabla, tabla striata, otel beton, tevi pentru sustineri sau acoperiri, inglobate total sau partial in beton	kg	212,3800
167	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	0,2130
168	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	0,2130
169	pret de piata	Element decorativ 50x50x50h	buc	30,0000
170	pret de piata	Element decorativ 80x80x30h	buc	15,0000

2-1-2 Heating and Ventilation

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Utilaj		
1	pret de piata	Ventilator TD Silent 250/100 Silent	buc	1,0000
2	pret de piata	Sistema de ventilare cu recuperare Climtec RD-150 Standart, N=0,026 kw	buc	1,0000
		Capitolul 2. Lucrari de montare		
3	VC07A	Montarea ventilatoarelor axiale, de fereastra, tip VF 315 - VF 900, avind greutatea de 3,6 - 8,2 kg cu motor de 0,25 - 0,55 kw	buc	1,0000
4	VB33A	Montarea sistemei de ventilare Climtec RDT-150 sau echivalent dupa caracterisitici - doar manopera si utilajele	buc	1,0000
		Capitolul 3. Lucrari sanitare **Capitolul 3.1. Incalzire**		
5	IB06A	Radiatoare din otel, monobloc avind lungimea de pina la 1000 mm, inclusiv ("Korado" 22K-500-700)	buc	1,0000
6	IB01A	Radiatoare din fonta cu coloane libere si sectiune circulara sau coloane unite si sectiune eliptica MC-140 (14 sectii/2 seturi) cu suporti inclusi	m2	1,3200
7	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	1,0000
8	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	1,0000
9	ID06A	Robinet de aerisire cu cheie mobila pentru instalatii de incalzire centrala, avind diametrul nominal de 1/4" - Dezaerator D 15 mm	buc	3,0000
10	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	6,0000
11	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	6,0000
12	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	6,0000
13	IzJ07C	Grunduirea conductelor si aparatelor cu un strat de miniu plumbГФ-021 si 2 strat de email alchidal БТ-177	m2	0,3700
		Capitolul 3.2. Ventilare		
14	GD08D	Umbrela ЗК.00.000 (c.5.904-51) D100 mm	buc	1,0000
15	CL20A	Difuzor ДПУ-М D100 mm	buc	1,0000

1	2	3	4	5
16	VA02E	Confectionarea si montarea canalelor de ventilatie drepte, din tabla zincata de 0,5 mm grosime, avind perimetrul sectiunii circulare de D 100 mm	m2	5,6500
17	IC42B	Metal pentru elemente de sustinere	kg	4,0000
18	IzH22A	Izolarea conductelor cu Armaflex Duct Al, grosime 19 mm	m2	1,0000
19	IzH06A	Izolarea conductelor cu saltele din vata de sticla imbracate pe o singura fata, gata confectionate, avind grosimea de 50 mm Isover Alu Rio	m2	4,7100
20	IzI09A1	Protectia termoizolatiei la conducte cu tabla zincata de 0,5 mm grosime fixate cu suruburi cu cap crestat semirotund, autofiletante (tabla zincata gr. 0,5 mm , norma de consum 3,95 kg/m2)	m2	4,7100
21	RpIB12B	Demontari calorifere	buc	3,0000

2-1-3 Indoor electrical network

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Lucrari de montare **Capitolul 1.1. Panou de distributie din metal existent**		
1	08-03-575-1	Automat BA 47-29 3P/B20/4,5 kA	buc	1,0000
2	RpEP18A	Aplicarea inscriptiilor	buc	1,0000
		Capitolul 1.2. Panou de distributie din metal 36 module IP31		
3	08-03-573-6	Dulap (pupitru) de comanda suspendat, inaltime, latime si adincime, mm/ Panou de distributie din metal 36 module IP31	buc	1,0000
4	08-03-575-1	Intrerupator BH-3P/25A	buc	1,0000
5	08-03-575-1	Intrerupator BH-3P/16A	buc	1,0000
6	08-03-575-1	Automat BA 47-29 1P/B6/4,5 kA	buc	2,0000
7	08-03-575-1	Automat BA 47-29 1P/C2/4,5 kA	buc	1,0000
8	08-03-575-1	Automat ABDT32/2P/10/10mA	buc	4,0000
9	08-03-575-1	Contactor electromagnetic modular KM40-11MP	buc	1,0000
10	RpEP18A	Aplicarea inscriptiilor	buc	1,0000
		Capitolul 1.3. Cabluri		
11	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	0,8000
12	pret de piata	Cablu VVGng (A) -LS 3x1.5 mm2	m	80,0000
13	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	0,7500
14	pret de piata	Cablu VVGng (A) -LS 3x2.5 mm2	m	75,0000
15	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	0,3100
16	pret de piata	Cablu VVGng (A)-LS 5x6.0 mm2	m	6,0000

1	2	3	4	5
17	pret de piata	Cablu VVGng (A)-LS 3x6.0 mm2	m	25,0000
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	0,1000
19	pret de piata	Cablu KVVGng (A)-LS 4x1.0 mm2	m	10,0000
20	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	0,4000
21	pret de piata	Cablu PV 1x6,0	m	40,0000
		Capitolul 1.4. Echipament electric de iluminat (de creat resursa)		
22	08-03-594-10	Corp de iluminat cu lampi luminescente in tavane suspendate, montat pe suspensii,/ Corp de iluminat cu lampi LED incadrabil IP-44, 900Lm, 10W, 135x68x113 mm	100 buc	0,0500
23	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	0,0400
		Capitolul 1.5. Articole electrice de instalare (de creat resursa)		
24	08-03-591-2	Intreruptor monopolar 10A/230V IP44	100 buc	0,0300
25	pret de piata	Post cu doua butoane de comanda pornire-oprire IP-54	buc	1,0000
26	pret de piata	Cutie de distributie cu cleme	buc	9,0000
		Capitolul 1.6. Tevi (de creat resursa)		
27	08-02-409-1	Teava flexibila spirala tip mediu 750N D20 mm, U=PVC cu proprietati de autostingere	100 m	1,0000
28	08-02-409-1	Teava flexibila spirala tip mediu 750N D25 mm, U=PVC cu proprietati de autostingere	100 m	0,7500
29	08-02-390-1	Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 60x40 mm (de creat resursa)	100 m	0,3000
30	08-02-390-1	Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 25x16 mm (de creat resursa)	100 m	0,5500
		Capitolul 2. Utilaj **Capitolul 2.1. Panou de distributie din metal existent**		
31	pret de piata	Automat BA 47-29 3P/B20/4,5 kA	buc	1,0000
		Capitolul 2.2. Panou de distributie din metal 36 module IP31		
32	pret de piata	Panou de distributie din metal 36 module IP31	buc	1,0000
33	pret de piata	Intrerupator BH32-3P/25A	buc	1,0000
34	pret de piata	Intrerupator BH32-3P/16A	buc	1,0000
35	pret de piata	Automat BA 47-29 1P/B6/4,5 kA	buc	2,0000
36	pret de piata	Automat BA 47-29 1P/C2/4,5 kA	buc	1,0000
37	pret de piata	Intrerupator automat diferential ABDT32/2P/10/10mA	buc	4,0000
38	pret de piata	Contactor electromagnetic modular KM40-11MP	buc	1,0000
39	pret de piata	Grup de contacte adaugatoare 1NO-1NC analog ДКП32-11	buc	2,0000

2-1-4 Fire alarm system (SIP)

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Lucrari de montare **Capitolul 1.1. Semnalizare de incendiu**		
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	2,0000
6	10-08-003-01	Aparat de semnalizare de capacitate/ Avertizor de incendiu manual IC0020	buc	2,0000
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	1,0500
8	pret de piata	Cablu КПСЭнг (А)-FRLS 2x0,8 mm2	m	75,0000
9	pret de piata	Cablu VVGng-FRLSLTx 3x1,5 mm2	m	30,0000
10	08-02-390-1	Canale din masa plastica cu latime: pina la 40 mm. / Cablu canal 22x10x2000 (de creat resursa)	100 m	0,5000
11	08-02-409-1	Teava din vinilplast pe contructii instalate, pe pereti si coloane, fixare cu scoabe, Tub din teava corugata care nu propaga ardere D20 mm (de creat resursa)	100 m	0,6000
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
		Capitolul 1.2. Semnalizare de paza		
15	10-08-001-01	Aparate receptoare: Dispozitive "ПС" 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 "ПС" automatice: termic de electrocontact, de contact magnetic in executare normala/ Buton Ajax Button	buc	1,0000
		Capitolul 2. Utilaj **Capitolul 2.1. Semnalizare de incendiu**		
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	2,0000
23	pret de piata	Avertizor de incendiu manual IC0020	buc	2,0000
24	pret de piata	Acumulator 12V 17A/h	buc	2,0000
25	pret de piata	Indicator RI31	buc	2,0000
26	pret de piata	Sirena Ivy-R	buc	1,0000
		Capitolul 2.2. Semnalizare de paza		
27	pret de piata	Panou de control semnalizare de paza Ajax Hub	buc	1,0000

1	2	3	4	5
28	pret de piata	Sirena Ajax HomeSiren	buc	1,0000
29	pret de piata	Buton Ajax Button	buc	1,0000
30	pret de piata	Ajax Space control (breloc)	buc	2,0000

2-1-5 Telecommunications and signalization (TS)

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Lucrari de montare		
1	10-02-030-05	Set pentru impamintare TE	set	1,0000
2	10-04-066-07	Aparataj de perete: Priza	buc	1,0000
3	pret de piata	Priza de date 1 RJ45	buc	1,0000
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	2,0000
7	08-02-398-1	Conductor in jgheaburi, sectiune pina la 6 mm2	100 m	1,5000
8	pret de piata	Cablu UTP cat. 5e	m	150,0000
9	08-02-398-1	Conductor in jgheaburi, sectiune pina la 6 mm2	100 m	0,0400
10	pret de piata	Patch cord UTP cat 5e, 0,5 m	buc	2,0000
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	4,0000
13	08-02-409-1	Teava din vinilplast pe contructii instalate, pe pereti si coloane, fixare cu scoabe, Tub din teava corugata care nu propaga ardere D20 mm (de creat resursa)	100 m	0,5000
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	1,0000
16	10-08-016-01	Ceasornice electrice secundare unilaterale pentru incaperi: pe perete	buc	1,0000
17	10-08-003-03	Sursa de alimentare autonoma	buc	2,0000
		Capitolul 2. Utilaj		
18	pret de piata	Set pentru impamintare TE	set	1,0000
19	pret de piata	Ceasuri autonome de perete inclusiv acumulatoare	buc	1,0000
20	pret de piata	Sursa de alimentare autonoma	buc	2,0000

2-1-6 Technological Equipment

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Lucrari de montare **Capitolul 1.1. Bloc A parter proiectat**		
1	SE59A	Uscator de maini din inox, 1,5kw, 250V (doar manopera)	buc	2,0000
2	SC13A	Oglinda sanitara din semicristal cu marginile slefuite, avid dimensiunile de 600x1000 mm	buc	2,0000
3	SC14A1	Dozator sapun din inox	buc	2,0000
		Capitolul 2. Utilaj **Capitolul 2.1. Bloc A parter proiectat**		
4	pret de piata	Uscator de maini din inox, 1,5kw, 250V	buc	2,0000

1	2	3	4	5
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	2,0000
9	pret de piata	Bara suport verticala pentru persoane cu dizabilitati din inox	buc	2,0000
10	pret de piata	Bara suport rabatabila din inox	buc	1,0000

2-1-7 Indoor water sewerage system

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
1	RpSC06A	Demontarea unui vas de closet din faianta, complet echipat	buc	1,0000
2	RpSC05A	Demontarea unui lavoar de faianta, inclusiv accesoriile	buc	3,0000
3	SC07A1	Vas pentru closet, complet echipat, din semiportelan, portelan sanitar etc. inclusiv pentru handicapati, asezat pe pardoseala, cu rezervorul de apa montat pe vas, la inaltime sau semiinaltime, avind sifonul interior tip S. (Vas WC (closet) pe pardoseala in set complet cu rezervor de spalare, capac cu balamale, set de fixare, robinet de inchidere cu racord flexibil, conform SM EN 997)	buc	1,0000
4	SC04C	Lavoar din semiportelan, portelan sanitar etc. inclusiv pentru handicapati, avind teava de scurgere din material plastic, montat pe piedestal. (Chiuveta (lavoar) in set complet, armrtura de inchidere cu racord flexibil si sifon tip butelie, conform SM EN 14688)	buc	3,0000
5	SD04A	Baterie amestecatoare cu brat basculant stativa pentru lavoar sau spalator, indiferent de modul de inchidere, inclusiv pentru handicapati, avind diametrul de 1/2". (Baterii monocomanda cu cartus ceramic, cu sistem pentru economisirea apei)	buc	3,0000

7-1 General Paln

№ crt.	Simbol norme si cod resurse	Denumire lucrărilor	Unitatea de măsură	Volum

1	2	3	4	5
		Capitolul 1. Demolari		
1	Dl109	Decaparea mecanizata a imbracamintei din beton asfaltic	m3	4,0000
2	RpCS19G	Demontari: borduri la trotuare, asezate pe beton	m	30,0000
		Capitolul 2. Evacuare gunoi		
3	TrI1AA02C3	Incarcarea materialelor din grupa A - grele, in bulgari prin aruncare - de pe rampa sau teren, in auto categoria 3	t	26,2500

1	2	3	4	5
4	TsI50C	Transportarea incarcaturilor cu autocamione la distanta 3 km I(evacuarea gunoiului)	t	26,2500
		Capitolul 3. Pavaj		
5	TsE01A	Nivelarea manuala a terenurilor si platformelor, cu denivelari de 10-20 cm, in teren usor	100m2	0,6000
6	TsD05A	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 necoeziv	100 m3	0,1800
7	TsC54C	Strat de fundatie din pietris - 150 mm	m3	7,0000
8	TsC54A	Strat de fundatie din nisip	m3	4,0000
9	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 de pavaj grosime 6 cm)	m2	50,0000
10	DE10A	Borduri prefabricate din beton, pentru trotuare 15x30x100 cm vibropresate, pe fundatie de beton 30x15 cm (Beton C20/25)	m	30,0000
11	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 de pavaj pentru marcaj tactil tip L 20x10x6 cm)	m2	5,0000
12	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 de pavaj pentru marcaj tactil tip B 20x10x6 cm)	m2	5,0000