



REQUEST FOR QUOTATION NO. RfQ25/02980:

Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district

SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP through the **European Union Confidence Building Measures (EU CBM VI) Programme**, kindly requests your quotation for the **Request for Quotation no. RfQ25/02980: Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district** as detailed in line items section of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This RFQ document generated by the online system

Section 2: General instructions

Section 3: Special instructions

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

Annex 4: Technical Responsiveness Table

Annex 5: Bill of Quantities (in Romanian language)

Annex 6: Execution project (in Romanian language)

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted directly in the system responding to the questions and uploading required documents by the date and time indicated in the online portal. It is your responsibility to ensure that your quotation is submitted before the deadline. Quotations received after the submission deadline outside the online portal, for whatever reason, will not be considered for evaluation.

Quotations must be submitted directly in Quantum NextGenERP supplier portal following the link: <http://supplier.quantum.partneragencies.org> using the profile you may have in the portal (please log in using your username and password).

Follow the instructions in the user guide to search for the tender using search filters, namely **Negotiation ID: UNDP-MDA-00656** and subscribe to the tender in order to get notifications in case of amendments of the tender document and requirements.

In case you have never registered before, follow this link to register a profile:

<https://estm.fa.em2.oraclecloud.com/fscmUI/faces/PrcPosRegisterSupplier?prcBuld=300000127714247>

Please note that the access link to the Supplier registered profile is sent from Oracle within up to 3 days. In case you have not received the access link after 3 days since registration, you should address for support to UNDP at the email address: sc.md@undp.org. In case you encounter errors with registration (e.g. system states Supplier already is registered), you should address for support to UNDP at the email address: sc.md@undp.org.

Computer firewall could block *oracle* or *undp.org* extension and Suppliers might not receive the Oracle notifications. Please turn down any firewalls on your computers to ensure receipt of email notification.

Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration.

Should you require further clarifications on the application through the Quantum online portal, kindly contact the Procurement Unit at sc.md@undp.org. Please pay attention that the bid shall be submitted online through the Quantum system and any bid sent to the above email shall be disqualified.

Should you require further clarifications on the Request for Quotation, Terms of Reference or other requirements, kindly communicate using the messaging functionality in the portal.

Deadline for Submission of Offers (Date and Time), which is visible in the online procurement system will be final. System will not accept submission of any bid after that date and time. It is the responsibility of the bidder to make sure that the bid is submitted prior to this deadline for submission.

Bidders are advised to upload bid documents and to submit their offer a day prior or well before the date and time indicated under the deadline for submission of Offers. Do not wait until last minute. If Bidder faces any issue during submitting offers at the last minutes prior to the deadline for submission, UNDP may not be able to assist on such a short notice and will not be held liable in such instance. UNDP will not accept any offer that is not submitted directly through the System.

Thank you and we look forward to receiving your quotation.

UNDP Moldova

SECTION 2: GENERAL INSTRUCTIONS

<p>Introduction</p>	<p>Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement</p> <p>Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.</p> <p>UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or cancellation of the tender in the online portal.</p>
<p>Deadline for the Submission of Quotation</p>	<p>Deadline is indicated in the online portal. If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/.</p>
<p>Method of Submission</p>	<p>Quotations must be submitted as follows:</p> <p>NextGenERP supplier portal following this link: http://supplier.nextgenerp.partneragencies.org/ using the profile you may have in the portal.</p> <p>Follow the instructions in the user guide to search for the tender using Negotiation ID. In case you have never registered before, follow this link to register a profile:</p> <p>https://estm.fa.em2.oraclecloud.com/fscmUI/faces/PrcPosRegisterSupplier?prcBuld=300000127715297&_adf.ctrl-state=8godmwdd9_239&_afLoop=7321111756612874&_afWindowMode=0&_afWindowId=null&_afrFS=16&_afrMT=screen&_afrMFW=1920&_afrMFH=880&_afrMFDW=1920&_afrMFDH=1080&_afrMFC=8&_afrMFCI=0&_afrMFM=0&_afrMFR=96&_afrMFG=0&_afrMFS=0&_afrMFO=0</p> <p>Do not create a new profile if you already have one. Use the forgotten password feature in case you do not remember the password or the username from previous registration.</p> <ul style="list-style-type: none"> ▪ File Format: All attachments must be in PDF format unless otherwise instructed by UNDP. ▪ File names must be in Latin alphabet/keyboard and clearly indicate the content of the document to facilitated review. ▪ All files must be free of viruses and not corrupted.
<p>Cost of preparation of quotation</p>	<p>UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.</p>
<p>Supplier Code of Conduct, Fraud, Corruption,</p>	<p>All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</p> <p>Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_and_investigation.html#anti</p>

Gifts and Hospitality	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.
Conflict of Interest	<p>UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.</p> <p>Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.</p> <p>The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p>
Currency of Quotation	Quotations shall be quoted in the currency indicated in the portal.
Joint Venture, Consortium or Association	If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association. Refer to Clauses 19 – 24 under Solicitation policy for details on the applicable provisions on Joint Ventures, Consortium or Association.
Only one Bid	<p>The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association. Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> 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 b) they have the same legal representative for purposes of this RFQ; or c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process; d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
Price variation	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.

Alternative Quotes	If alternative quote is permitted, it may be submitted only if a conforming quote to the RFQ requirements is submitted. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative quote. If multiple/alternative quotes are being submitted, they must be clearly marked as “Main Quote” and “Alternative Quote” directly in the portal and in any supporting document as relevant.
Contact Person for correspondence, notifications and clarifications	Must be submitted directly in the portal using the messaging functionality. Any delay in UNDP’s response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.
Right not to accept any quotation	UNDP is not bound to accept any quotation, nor award a contract or Purchase Order
Right to vary requirement at time of award	At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
Publication of Contract Award	UNDP will publish the contract awards on the websites of the CO and the corporate UNDP Web site.
Policies and procedures	This RFQ is conducted in accordance with UNDP Programme and Operations Policies and Procedures
UNGM registration	Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at www.ungm.org . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature.



SECTION 3: SPECIAL INSTRUCTIONS

General Conditions of Contract	<p>Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to one of the General Conditions of Contract below as applicable in each case specified in the Requirements section</p> <p>Applicable GTC:</p> <p><input checked="" type="checkbox"/> General Terms and Conditions for Works</p> <p>Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy</p>
Special Conditions of Contract	<p><input checked="" type="checkbox"/> Cancellation of PO/Contract if the delivery/completion is delayed by 30 days</p> <p><input checked="" type="checkbox"/> Liquidated damages shall be imposed as follows:</p> <p>In case the works are not completed within 90 calendar days, 2.5% of the total contract amount will be deducted out of the final invoice for each week of delay.</p> <p>Max. number of weeks of delay 4.</p> <p>Once the total amount of liquidated damages is equal to 10% of the total contract amount, UNDP may terminate the contract.</p>
Duties and taxes	<p>Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, 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 quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified in the requirements section.</p> <p>All prices must:</p> <p><input checked="" type="checkbox"/> be exclusive of VAT and other applicable indirect taxes</p>
Eligibility	<p>A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP.</p> <p>It is the Bidder's responsibility to ensure that its ultimate beneficial owners, employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p> <p>Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative.</p>
Language of quotation	<p>Romanian, Russian or English</p> <p>Including documentation such as catalogues, instructions and operating manuals.</p>
Quotation validity period	<p>Quotations shall remain valid for 90 (ninety) days from the deadline for the Submission of Quotation.</p>
Partial Quotes	<p><input checked="" type="checkbox"/> Not permitted</p>
Alternative Quotes	<p><input checked="" type="checkbox"/> Not permitted</p>
Payment Terms	<p><input checked="" type="checkbox"/> The Contractor shall submit monthly invoices (reflecting the monthly work performed and materials utilized every month as accepted by UNDP through the "Monthly Progress Reports") and a final invoice within 30 days from the issuance of the Certificate of Substantial Completion by the Engineer.</p>
Currency	<p>US Dollars (USD) for international companies and Moldovan Leu (MDL) for local companies</p>

Conditions for Release of Payment	<input checked="" type="checkbox"/> Written Acceptance of Works, based on full compliance with RFQ requirements
Clarifications	<p>Bidders must send their inquiries and requests for clarifications using the messaging functionality in the portal.</p> <p>PLEASE PAY ATTENTION: QUOTES SHALL NOT BE SUBMITTED TO ANY EMAIL ADDRESS BUT ONLY THROUGH THE PORTAL.</p> <p>Requests for clarification from bidders will not be accepted any later than 5 (five) days before the submission deadline. Responses to request for clarification will be communicated directly in the portal.</p>
Documents to be submitted	<input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed <input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 <input checked="" type="checkbox"/> Duly filled-in Bills of Quantities (F7), including Unit Price Catalogue (F5) and Resource Schedule (F3) <input checked="" type="checkbox"/> Company Profile (short info up to 5 pages), including detailed portfolio/previous corporate experience in similar fields related to the assignment <input checked="" type="checkbox"/> Copy of Company's Registration Certificate <input checked="" type="checkbox"/> Copy of Extract from the state register indicating the field of activity „Electrical and technical-sanitary installation works and other construction installation works” <input checked="" type="checkbox"/> List and value of projects performed for the last 5 (five) years plus client's contact details who may be contacted for further information on those contracts <input checked="" type="checkbox"/> Acceptance Notes of works executed (Final Commissioning Reports for local companies) submitted for 3 (three) sites (in terms of type construction and volume of works with a value not less than 70,000 US\$ each, for the last 5 (five) years, presented as similar experience (as listed in Evaluation Criteria below), including the contract value <i>(in case it is not mentioned in the Note/Report, please attach Contract or other document to prove the value of the project site)</i> . <u>Contracts without Acceptance Notes (Final Commissioning Reports for local companies) cannot serve proof of similar experience.</u> <input checked="" type="checkbox"/> List of transportation and specialized equipment units to be confirmed with the rights of ownership or contract of lease and availability of the functioning permit in line with national legislation (Bidders shall indicate whether the equipment is their own or rented) <input checked="" type="checkbox"/> Quality Certificates for the materials to be used during Works <input checked="" type="checkbox"/> Quality Certificates (ISO, etc.), if available <input checked="" type="checkbox"/> List of qualified key personnel, together with signed CVs and professional certificates (valid at the date of presentation) for the certified foreman with the execution of specialized works and installations related to constructions (4. Electrical installations and networks) and electrician with work in electrical installations not lower than grade 1 <input checked="" type="checkbox"/> Metrological certificate for the measurement equipment (topographical station, theodolite, level etc.) <input checked="" type="checkbox"/> Contract with the laboratory for electrical ground connection testing <input checked="" type="checkbox"/> Analysis of the luminous flux intensity at road level that corresponds to SM EN 13201-2:2017 Lighting class M4 with a glare threshold greater than 15, if the proposed streetlamp is other than specified in the tender documentation <input checked="" type="checkbox"/> Chart for execution of works (Work Time Schedule) for example GANTT <input checked="" type="checkbox"/> Written declaration regarding warranty period on works and materials used, not less than 3 (three) years <input checked="" type="checkbox"/> Written declaration regarding any past and current litigation during the last five (5) years (in which the bidder is/was involved, indicating the parties concerned, the subject of the litigation, the amounts involved, and the final resolution if already concluded) or lack of such (if the case) <input checked="" type="checkbox"/> Statement of satisfactory Performance (Certificates) from the top 3 (three) clients in terms of Contract value in similar field <input checked="" type="checkbox"/> Financial Statements (Income Statements and Balance Sheets) for the past 3 (three) years (2021, 2022, 2023)

Evaluation method	<input checked="" type="checkbox"/> The Contract will be awarded to the lowest price substantially compliant offer.
Evaluation criteria	<p>The evaluation of quotations shall be conducted in accordance with Evaluation criteria listed below. Bidders must meet all these criteria to be deemed technically qualified and responsive. <u>In the case of consortiums, all criteria listed below shall apply towards the Lead Member.</u></p> <p><input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1</p> <p><input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract for Works</p> <p><input checked="" type="checkbox"/> Be a legal registered institution/company</p> <p><input checked="" type="checkbox"/> Copy of Extract from the state register indicating the field of activity „Electrical and technical-sanitary installation works and other construction installation works”</p> <p><input checked="" type="checkbox"/> Minimum 5 (five) years of experience in the field of Electrical and technical-sanitary installation works and other construction installation works of street lighting networks</p> <p><input checked="" type="checkbox"/> Minimum 3 (three) similar sites/contracts (in the field of Electrical and technical-sanitary installation works and other construction installation works of street lighting network) undertaken in Moldova or internationally, with a value not less than 70,000 US\$ each, in over the past 5 (five) years</p> <p><input checked="" type="checkbox"/> Maximum delivery period not to exceed 90 calendar days upon signature of contract and from the moment the Contractor was given access to the construction site</p> <p><input checked="" type="checkbox"/> Sufficient human resources capability to qualitatively and timely execute the works. Minimum key-personnel with valid certificates:</p> <ul style="list-style-type: none"> • one (1) certified foreman with the execution of specialized works and installations related to constructions (4. Electrical installations and networks) • one (1) electrician with work in electrical installations not lower than grade 1 <p><input checked="" type="checkbox"/> Minimum warranty on works and materials as required by the local legislation and regulations but not less than 3 (three) years.</p> <p>Will serve grounds for disqualification:</p> <p><input checked="" type="checkbox"/> Failure to submit one of the following documents:</p> <ul style="list-style-type: none"> • Duly filled-in Submission Form (as per Annex 2) • Technical and Financial Offer (as per Annex 3) • Duly filled-in Bills of Quantities (F7), including Unit Price Catalogue (F5) and Resource Schedule (F3) (as per Annex 3) • Copy of Extract from the state register indicating the field of activity „Electrical and technical-sanitary installation works and other construction installation works” • Contract with the laboratory for electrical ground connection testing • Analysis of the luminous flux intensity at road level that corresponds to SM EN 13201-2:2017 Lighting class M4 with a glare threshold greater than 15, if the proposed streetlamp is other than specified in the tender documentation • Acceptance Notes of works executed (Final Commissioning Reports for local companies) submitted for 3 (three) sites (in terms of type construction and volume of works with a value not less than 70,000 US\$ each, for the last 5 (five) years, presented as similar, including the contract value). <p><input checked="" type="checkbox"/> Serious deviations from the provisions of the documents below:</p> <ul style="list-style-type: none"> • Changes in codes for works required*; • Changes in the volume of works required*; • Changes in the volumes of resources in the norms of materials, manpower and tools*; • Changes in coefficient for norms*; • Proposing the manpower remuneration below the medium required by the National Legislation in force (besides the situation when a respective proof from relevant authorities is obtained and presented), (according to Ordinance nr. 14 of 10.02.2022, with the reference to the Approval of the Amendment CP L.01.02:2012/A2:2022 „Construction economics. Instructions for determining the estimate of expenses for construction salaries") <p>*When developing BoQs, please be guided by the National Regulatory Framework in Construction as per NCM L.01.01-2012 and Regulation on the procurement of public works (http://lex.justice.md/index.php?action=view&view=doc&lang=1&id=347161)</p>

	http://lex.justice.md/md/295702/).
Type of Contract to be awarded	<input checked="" type="checkbox"/> Contract for Works
Expected date for contract award	10 March 2025



ANNEX 1: SCHEDULE OF REQUIREMENTS

TITLE: REPAIR WORKS OF THE ACCESS ROADS TO THE LYCEUM „GRIGORE GRIGORIU” IN CIRNATENI, CAUSENI

A. INTRODUCTION AND OBJECTIVES

In 2023 the UNDP Moldova launched the sixth phase of the European Union Confidence Building Measures Programme (EU-CBM VI), funded by the European Union and implemented by the UNDP Moldova. The overall goal of the Programme is to increase confidence between both banks of the Nistru river by ensuring socio-economic development through involvement of local authorities, civil society organizations, private actors, and other community stakeholders.

The EU CBM VI Programme is focused on 4 specific fields: promoting business development; support to community development and cross river platforms of cooperation; preserving cultural and historical heritage and assistance to media development and cooperation.

Through its „EU Support to community development” component, the EU-CBM VI Programme aims to support rehabilitation/renovation of the 6 social infrastructure projects situated on both banks of the Nistru river.

Based on decision of the EU-CBM VI Steering committee decision, project „Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district” was selected as one of the social infrastructure projects which is situated on the right bank of the Nistru River but which will produce impact for the citizens from both localities Sănătăuca on right bank and Camenca Town on left bank.

B. CONTENT OF WORKS

UNDP Moldova is seeking to contract a specialized and experienced in the field of street lighting systems company (hereinafter „the Company”) to provide the works to establish the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district. It is envisaged that the works will include the following activities:

- procurement and delivery to the site of the materials (pilons, cable, street lighting lamps, etc.) and services required to successfully execute the works;
- site preparation for storing materials;
- execution of works;
- execution of installation works;
- start-up and calibration works;
- commissioning works at the finishing of the work;
- final commissioning of the works carried out.

All these activities shall be carried out in accordance with the provisions of the detailed design and Bills of Quantities (BoQ) which are the part of Terms of Reference. The physical properties of the construction materials proposed by the contractors shall be in accordance with the requirements of detailed design documentation and technical specifications provided in it, of the Bills of Quantities, with the technical guidelines, requirements and specifications provided by national building norms.

The construction materials delivered to the site must be accompanied by national certificates of conformity and/or European Certificates (EC) attesting the quality standards (especially for pilons, cable, street lighting lamps). The contractor should also ensure that all materials to be used under the contract are coordinated, prior the execution, with the representatives of the technical supervisor, final Beneficiary and UNDP Moldova (EU-CBM VI) engineering staff who oversee the day-to-day supervision of the site and regular monitoring of the on-site works.

The Company taking part in the tendering procedure shall provide everything necessary for the successful performance of the contract. The Company shall ensure the supervision of the works on site by construction foreman certified according to the classification (Government Decision No 329 of 23 April 2009, amended by Government Decision No 207 of 30 March 2022) for **exterior electrical networks**. The Company shall perform the works using the skilled labor, materials, mechanisms, machinery and equipment necessary to carry out the works specified in the Detailed design and BoQ Specifications. The Company shall comply with labor and site protection measures, carry out the necessary **laboratory** sampling and **electrical ground connection testing** in compliance with the construction rules and standards, to ensure the commissioning of works.

When developing BoQs, please be guided by the National Regulatory Framework in Construction as per NCM L.01.01-2012 and Regulation on the procurement of public works:

<http://lex.justice.md/index.php?action=view&view=doc&lang=1&id=347161>

<http://lex.justice.md/md/295702/>

Serious deviations from the provisions of these documents will serve grounds for disqualification.

Please, **ensure that no changes in the volume of works are allowed; no changes in codes for works are allowed; no changes in the volumes of resources in the norms of materials, cost of labor and tools are allowed; no changes in coefficient for norms are allowed.**

Please, **ensure that the human power remuneration is not less than medium required by the National Legislation in force (according to Ordinance nr. 14 of 10.02.2022, with the reference to the Approval of the Amendment CP L.01.02:2012/A2:2022 „Construction economics. Instructions for determining the estimate of expenses for construction salaries”).**

Note for bidders: Whenever the technical specifications require a specific product, specific brand/model, the bidders may come up with proposals for an alternative product equivalent or higher in all aspects with the specified product and meeting the requirements regarding physical, functional and performance parameters.

C. EXPECTED RESULTS

In accordance with the detailed design documentation and bill of quantities the following main works are to be made:

- 1) Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district with total length – 2,2 km;
 - a) Mounting of 79 reinforced concrete pillars;
 - b) Mounting of 9 galvanized steel pillars.

The volume of works to be carried out is indicated in the detailed design documents and Bill of Quantities (List of work volumes/BoQ).

Additionally, the following outcomes are expected to be provided by the Contractor:

Outcome 1: Completion of all rehabilitation works set out in the contract documents, within no more than 90 calendar days.

Once the installation works are completed, the street lightning system are tested and started up, and the execution and payment documents are submitted, the completed on-site works shall be commissioned at the end of the work, in compliance with the provisions of the Regulation on the acceptance of construction works and related installations, approved by the Republic of Moldova Government Decision No 285 of 23.05.1996.

Outcome 2: Final commissioning of the works in compliance with Regulation on the acceptance of construction works and related installations, approved by the Republic of Moldova Government Decision No 285 of 23.05.1996. will be made after the expiry of the 1-year warranty period (**the full warranty period minimum 3 years**) from the date of commissioning at the end of the work.

D. INSTITUTIONAL ARRANGEMENT

The site is located in Sănătăuca village, Florești district. The construction waste, resulting from excavation works, will be transported about 5 km to a disposal site established by the Sănătăuca mayoralty.

The reporting on the work progress shall take place on a monthly basis through the submission of a Minutes of Acceptance of the works carried out during the preceding 30 calendar days. The minutes shall be signed by the Company Manager and the certified Site Foreman with the application of the stamps and forwarded for verification to the certified Technical Supervisor, the Beneficiary's permanent representative on site. Subsequently, the Minutes of Acceptance of the works carried out, signed by the certified Technical Supervisor, will be countersigned by the EU-CBM VI Project officer and submitted for verification and approval to the EU-CBM VI Programme manager.

E. OTHER RELATED REQUIREMENTS

Further to the Schedule of Requirements/Scope of Works above, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfilment of the requirements:

Delivery Term [INCOTERMS 2010]	DDP
Exact Address of Delivery/Installation Location	Sănătăuca village Florești district.
Customs, if required, clearing shall be done by:	Supplier
Work Requirements	All the installation works must be carried out in accordance with national/local standards regarding civil works.
Commissioning of the works	Two stages of commissioning: <ol style="list-style-type: none"> 1) Commissioning at the end of the works; 2) Final commissioning after 1-year warranty period; All stages of the commissioning of the works must be initiated by the Contractor
Warranty Period	Minimum warranty on works and materials as required by the local legislation and regulations but not less than 3 (three) years .
Technical Support Requirements	The contracted company will eliminate any infrastructure damages subject of quality guaranty in a maximum 10 days from the moment of written notification
Pricing	The contract is based on unit price, and the final price of the Contract will be determined on the basis of actual quantities of work utilized in the complete and satisfactory performance of the Works as certified by the Engineer and the unit prices contained in the Contractor's financial proposal. Such unit prices are fixed and are not subject to any variation whatsoever. Bidders shall quote reasonable bid prices with an acceptable margin of deviation in comparison to the local market prices at the time of bids preparation. In case of unbalanced pricing (i.e. despite an acceptable total evaluated price, the price of one of more BoQ line items is significantly over- or underpriced), UNDP have the right to reject the unbalanced bid if it determines that the lack of balance does pose an unacceptable risk to UNDP).
Payment Terms	The Contractor shall submit monthly invoices (reflecting the monthly work performed every month as accepted by UNDP through the „Monthly Progress Reports”) and a final invoice not later than 30 days from the issuance of the Certificate of commissioning at the end of the works by the EU-CBM VI Project Officer. UNDP shall effect payment of the invoices after receipt of the certificate of payment issued by the site Technical supervisor, approving the amount contained in the invoice. The Technical supervisor may make corrections to that amount, in which case UNDP may effect payment for the corrected amount. The EU-CBM VI manager may also withhold invoices if the work is not

	<p>performed at any time in accordance with the terms of the Contract or if the necessary insurance policies or performance security are not valid and/or in order. The EU-CBM VI shall process the invoices submitted by the Contractor within 15 days of their receipt. Invoices will be paid within thirty (30) days of the date of their receipt and acceptance by UNDP.</p> <p>So as to ensure the liquidated damages retention (in case applied) (as per point 9 of Section 3: Bid Data Sheet), the last invoice shall not be less than 10% of the total contract amount.</p>
All documentations, including catalogues, instructions and operating manuals, shall be in these languages	Romanian, Russian or English

Technical specifications

- 1) Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district with total length – 2,2 km:

The works will include:

Construction works

- a. Manual excavation of soil in large spaces (for mounting the connection console) – 0,4m³.
- b. Simple concrete poured with classical means, in concrete foundations according to art. CA01, (for mounting the connection console) – 0,5m³.
- c. Mechanical excavation of soil in the warehouse with an excavator with a bucket volume of 0.15 m³, category 1 land (for underground cable) – 3,84m³.
- d. Manual excavation of soil, in sections up to 4 m deep (for underground cable) – 0,96m³.
- e. Unloading from the car: soil with boulders, with stones BRICK – 0,35 tn.
- f. Unloading from the car: soil with boulders, with stones SAND – 1,2 tn.
- g. Compacted filling in trenches, for buried cables of high-voltage electrical lines, made with soil from hard ground – 3,3 m³.
- h. Compaction with a 150-200 kg mechanical rammer of the fillings in successive layers of 20-30 cm thick, excluding watering each layer separately, the fillings being made of non-cohesive soil – 1,8m³.
- i. Manual excavation of soil in limited spaces, having less than 1.00 m or more than 1.00 m width, – 10,56 m³.
- j. Spreading with a shovel of refined soil, in uniform layers, 10-30 cm thick – 10,56 m³.
- k. Handling of materials and prefabricated elements with a wheeled crane placed in a fixed position, weight of materials up to 0.5 tn – 0,24 tn.

BRIDGE WORKS

Pole for electrical installations in yards, gardens or platforms, ready-made:

- metallic, between 5.1 and 10 m high, including pits and filling – 9 pcs.

THE CONSOLE

- Various metallic structures totally or partially embedded in concrete – 79,46 kg.
- Anti-corrosion painting with a mine brush of metallic structures and constructions with a layer of anti-corrosion primer based on lead minium and two layers of

chlorinated rubber enamel of metallic structures and constructions, made of profiles with thicknesses up to 7 mm inclusive – 0,08 tn.

Installation work

- a. Execution of polyethylene pipes: up to 2 holes for underground cable 2 – 0,02 km.
- b. Execution of the bed for a single cable in trenches. for underground cable – 20 m.
- c. Cable up to 35 kV in pipes, blocks and laid boxes, bunch 1 m: up to 3 kg for underground cable – 20 m.
- d. Cable up to 35 kV in trenches executed without coverings, bunch 1 m, up to 3 kg for underground cable – 20 m.
- e. Cable up to 35 kV, fixing with applied clamps, bunch 1 m up to 3 kg for underground cable – 2 m.
- f. Covering the cable, laid in trenches: with brick of a single cable for underground cable – 20m.

LEA-IP

- a. Transportation of constructions and materials of LEA 0.38-10 kV supports on the main line – 79 pcs.
- b. Transportation of structures and materials for 0.38-10 kV overhead line supports on the main line – 52 pcs.
- c. Transportation of structures and materials for 0.38-10 kV overhead line supports on the main line: materials for the equipment of composite supports – 13 pcs.
- d. Installation of reinforced concrete pillars for 0.38, 6-10 kV overhead line with crossbars without additions, with a single leg – 52 pcs.
- e. Installation of reinforced concrete pillars for 0.38, 6-10 kV overhead line with crossbars without additions, with a single leg with a support – 12 pcs.
- f. Installation of reinforced concrete pillars for 0.38, 6-10 kV overhead line with crossbars without additions – 1 pc.
- g. Suspension of self-supporting insulated electric conductors CIA-2A with voltage from 0.4 kV to 1 kV – 1985 m.
- h. Suspension of 0.38 kV overhead line conductors at crossings over obstacles: category 2 and 3 motorways with telecommunications lines, 0.38 kV overhead line – 1 pc.

EARTHING SOCKETS

- a. Vertical earthing socket, made of round steel, diameter 16 mm – 30 pcs.
- b. Earthing conductors: horizontal earthing socket, made of round steel, diameter 12 mm – 48 m.
- c. Earthing conductors, open, on construction supports, made of round steel, diameter 8 mm – 192 m.
- d. Drilling holes on asphalt foundation at 35-500 kV overhead line bridge – 36 pcs.
- e. Cable up to 35 kV in pipes, blocks and laid boxes, bunch 1 m up to 3 kg – 317 pcs.
- f. Cable up to 35 kV, fixing with applied clamps, bunch 1 m up to 3 kg – 68 pcs.

STREETLAMPS

- a. Metal consoles, special, welded, on poles, for streetlamps, quantity of bulbs: 1, – 9 pcs.
- b. Metal consoles, special, welded, on poles, for streetlamps, quantity of bulbs: 1, – 77 pcs.

- c. Streetlamps installed outside buildings, with fluorescent bulbs – 79,46 kg.

THE CONSOLES

- a. Various metal structures made of rolled profiles, sheet metal, corrugated sheet metal, reinforced concrete, pipes for supports or coverings, totally or partially embedded in concrete – 2 pcs.
- b. Suspended control cabinet (desk), height, width and depth, mm, up to 600x600x350. BZUM – TF-03-25 IP54 – 22 pcs.
- c. Single-, two-, three-pole circuit breaker, mounted on wall or column constructions, current up to 25 A – 2 pcs.
- d. Single-, two-, three-pole circuit breaker, mounted on wall or column constructions, current up to 100 – 2 pcs.
- e. Meters, mounted on prepared support, single-phase – 2 pcs.
- f. Magnetic starter of general purpose, separate, mounted on the construction on the wall or column, current up to 40 A – 2 pcs.
- g. Mounting photo relay FRL-02 – 2 pcs.
- h. Mounting timer TĂ15 – 2 pcs.
- i. Lever switch on the plate with central or side lever or bar operation, mounted on a metal support, single-pole, current, up to 250 A – 2 pcs.
- j. Execution control block cabinet type or distribution point (cabinet), mounted on the wall, height and width, mm, up to 600x600 – 2 pcs.
- k. Lever switch on the plate with actuator, mounted on a metal support, three-pole, current, up to 250 A – 2 pcs.
- l. Metal hose, outer diameter up to 48 mm – 20 m.
- m. Connection of conductor wires or cables to terminals, section up to 35 mm² – 370 pcs.

All works must be carried out considering the technological process and detailed requirement (Detailed design sketches and List of work volumes/BoQ).

Technical parameters/characteristics for proposed materials

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Streetlamp equivalent VITAUM 1 5424 24 LED 350mA NW 740 45.5W (Corp de iluminat)		
1	CODE <i>Cod</i>	45,5 W
2	Application <i>Aplicație</i>	Street lighting <i>Iluminat stradal</i>
3	Nominal voltage <i>Tensiune nominală</i>	230 V~
4	Nominal frequency <i>Frecvență nominală</i>	50 Hz
5	Nominal power <i>Purere nominală</i>	45.5W %%P 10%
6	Power factor <i>Factor de putere</i>	0.94
7	Total harmonic distortion <i>Distorsiuni armonice totale</i>	10%
8	Insulation class	I

	<i>Clasa de izolație</i>	
9	Luminous flux <i>Flux luminos</i>	7500Lm
10	Color temperature <i>Temperatura de culoare</i>	4000 K
11	Efficiency <i>Eficiența</i>	139.3 Lm/W
12	Optics/material <i>Optica/material</i>	Diffuser/polycarbonate <i>Dispensor/policarbonat</i>
13	Protection degree <i>Gradul de protecție</i>	IP66
14	Impact resistance <i>Rezistența la impact</i>	IK08
15	Operating temperature <i>Temperatura de funcționare</i>	-30C ... +55C
16	Weight <i>Masa</i>	2.5 kg
17	Overall dimensions <i>Dimensiuni de gabarit</i>	307x207x80mm
18	Inclination relative to the horizontal <i>Înclinare în raport cu orizontala</i>	max. 15
19	Recommended mounting height <i>Înălțimea recomandată de montare</i>	4m - 15m
20	Pipe clamping device <i>Dispozitiv strângere țevă</i>	D=42mm ...60mm

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Galvanized steel pole equivalent CC.7M <i>(Stâlp din oțel galvanizat)</i>		
1	Type <i>Tip</i>	Lighting Pole <i>Stâlp de iluminat</i>
2	Form <i>Forma</i>	Octagonal
3	Visiting door <i>Ușa de Vizitare</i>	Yes <i>Da</i>
4	Diameter Tip <i>Diametru Vârf</i>	60 mm
5	Height <i>Înălțime</i>	7 m
6	Set of 4 studs <i>Set 4 Prezoane</i>	Yes <i>Da</i>
7	Applications <i>Aplicații</i>	Exterior
8	Material <i>Material</i>	Galvanized steel <i>Oțel zincat</i>
9	Sheet thickness <i>Grosime Tablă</i>	3 mm
10	Case Color <i>Culoare Carcasă</i>	Gray <i>Gri</i>
11	Weight <i>Greutate</i>	max 60 kg
12	Admissible Wind Speed <i>Viteza Vântului Admisibilă</i>	130 km/h

13	Warranty <i>Garanție</i>	24 months <i>24 luni</i>
----	-----------------------------	-----------------------------

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Digital programmable time switch equivalent T3-15 <i>(Intrerupător orar programabil digital)</i>		
1	The switching current, A <i>Curentul de comutare</i>	16
2	Energy consumption, W <i>Consumul de energie</i>	6
3	Number of programmable starts/stops <i>Numărul de porniri/opriri programabile</i>	8
4	Time error, s/day <i>Eroare de timp, s/zi</i>	±2
5	The time to save the set program when the supply voltage is off, not less than, h <i>Timpul de salvare a programului setat când tensiunea de alimentare este oprită, nu mai puțin de, h</i>	150
6	Mechanical resistance to attrition, on/off cycles, no less than <i>Rezistență mecanică la uzură, cicluri de pornire/oprire, nu mai puțin de</i>	10000
7	Electrical attrition resistance, on/off cycles, not less than <i>Rezistența la uzură electrică, cicluri de pornire/oprire, nu mai puțin de</i>	10000
8	Degree of protection <i>Grad de protecție</i>	IP20
9	Nominal voltage, V <i>Tensiune nominală</i>	230 (50 Hz)
10	Climatic variant <i>Varianta climatică</i>	УХЛ4
11	Operating temperature range, °C <i>Gama de temperaturi de funcționare</i>	-25 ... +40

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Meter equivalent ME172-D2 <i>(Contor)</i>		
1	Single-phase electronic meter, Unom. = 230V <i>Contor electronic monofazat</i>	
2	Nominal frequency Fn: 50 Hz <i>Frecvența nominală</i>	
3	Liquid crystal display (LCD), display illumination in the absence of voltage <i>Afișaj cu cristale lichide (LCD), iluminarea afișajului în lipsa tensiunii</i>	
4	Temperature of use: -40...+60°C; <i>Temperatura de utilizare</i>	
5	The possibility of reading indications when disconnecting the voltage (presence of the accumulator/battery). <i>Posibilitatea de citire indicațiilor la deconectarea tensiunii (prezența acumulatorului/baterie)</i>	
6	Presentation of indications in optoport mode (auto scroll), manual and optoport.	

	<i>Prezentarea indicațiilor în regim optoport (autoscroll), manual și optoport.</i>
7	Measurement of active electrical energy in two directions separately (bidirectional, OBIS CODE 1.8.0 and 2.8.0). <i>Măsurarea energiei electrice active în două direcții separat (bidirecțional, OBIS CODE 1.8.0 și 2.8.0).</i>
8	Accuracy class for active energy 1.0 (B) <i>Clasa de exactitate pentru energia activă 1,0 (B)</i>
9	Storage of recorded values for at least 45 days. <i>Memorizarea valorilor înregistrate timp de cel puțin 45 de zile.</i>
10	Basic current I nom = 5A <i>Curentul de bază I nom = 5A</i>
11	Maximum current not less than 60A <i>Curentul maxim nu mai mic de 60A</i>
12	Provision of the reading and parameterization program, the meter reading devices (Probe) and the production instruction (Manual). Through the parameterization program it must be possible (with a certain level of access) to: <i>Asigurarea cu programul de citire și parametrizare, dispozitivele de citirea contorului (Sonda) și instrucțiunea de producere (Manual). Prin programul de parametrizare trebuie să fie posibilitatea (cu un anumit nivel de acces) de:</i>
	- Change/correct/install Date/Time <i>- Schimbarea/corectarea/instalarea Data/Ora</i>
	- Change/correction – of the OBIS CODES that will be programmed into the meter <i>- Schimbarea/corectarea – a OBIS CODurilor care vor fi programate în contor</i>
13	Active energy profiles in two directions, voltage, current, date/time with recording interval not less than one hour and storage period not less than 45 days. <i>Profiluri de energie active în două direcții, tensiunea, curent, data/ora cu intervalul de înregistrare nu mai mic de o oră și cu perioada de stocare nu mai mică de 45 zile.</i>
14	The possibility of recording and presenting in all reading modes (and in load profile) the value of voltage, current, current active power and maximum active power. <i>Posibilitatea de înregistrare și de prezentare în toate regimurile de citire (și în profil de sarcină) a valorii tensiunii, curentului, puterii active la moment și puterii active maxime.</i>
15	The possibility of presenting the stored values (+W, -W, P max) on the 1st of each month in self-reading mode, manual and optoport. <i>Posibilitatea de prezentare a valorilor stocate (+W, -W, P max) la data de 01 a fiecărei luni în regim de autocitire, manual și optoport.</i>
16	The installation of the meter must be carried out at least with 2 screws on the rack. The possibility of changing the fixing of the meter according to the height. <i>Montarea contorului să fie executată minim prin 2 șurupuri pe stelaj. Posibilitatea de schimbare a fixării contorului conform înălțimeii.</i>
17	Register of events with records for at least 90 days. <i>Registru de evenimente cu înregistrate timp de cel puțin 90 de zile.</i>
18	Communication of values via RS 485 type port, with the minimum data transmission speed via RS 485 port – 9600 bps. DLMS/IEC 62056-21 data transmission protocol <i>Comunicarea valorilor prin port de tip RS 485, cu viteza minimă de transmiterea datelor prin port RS 485 – 9600 bps. Protocol de transmiterea datelor DLMS/IEC 62056-21</i>
19	The possibility of replacing the accumulator/battery in specialized workshops. <i>Posibilitatea înlocuirii acumulatorului/bateriei în ateliere specializate.</i>
20	Tariff programs <i>Programe tarifare</i>
	For participants from EU countries according to GD no. 408 of 16.06.2015: <i>Pentru participanții din țările UE conform HG nr.408 din 16.06.2015:</i>
	<ul style="list-style-type: none"> • presenting a copy of the declaration of compliance with the requirements for type approval in the EU (p.32,38,45,48); • <i>prezentarea copiei declarației de conformitate a cerințelor la aprobarea tipului în UE (p.32,38,45,48);</i>
	<ul style="list-style-type: none"> • presentation of instructions and information for use, indicating the name and address of the manufacturer and importer in English and or the State language (p. 38, 47, 55);

	<ul style="list-style-type: none"> • <i>prezentarea instrucțiunilor și informațiilor pentru utilizare, cu indicarea denumirea și adresei producătorului și importatorului în limba engleză și sau limba de Stat (p.38,47,55);</i>
	For other participants: <i>Pentru alți participanți:</i>
	<ul style="list-style-type: none"> • metrological parameters according to NML 8- 08:2018, NML 8- 07:2017; • <i>parametrii metrologici conform NML 8- 08:2018, NML 8- 07:2017;</i>
	<ul style="list-style-type: none"> • type approval in R.M. and included in the State Register of measuring instruments of the Republic of Moldova; • <i>aprobarea tipului în R.M. și incluse în Registrul de stat al mijloacelor de măsurare al R.M.;</i>

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Box equivalent ЩМП-1-1/74/Y2 IP54 <i>(Tablou)</i>		
1	Height, mm <i>Înălțime</i>	max. 400
2	Width, mm <i>Lățime</i>	max. 320
3	Depth, mm <i>Adâncime</i>	max. 220
4	Degree of protection – IP <i>Grad de protecție</i>	IP54
5	Climatic variant <i>Varianta climatică</i>	Y2
6	The rated current, A <i>Curentul nominal</i>	630
7	RAL color number <i>Număr de culoare RAL</i>	7035
8	Thickness of cabinet door or cover, mm <i>Grosimea ușii dulapului sau a capacului</i>	1
9	Number of doors <i>Număr de uși</i>	One <i>Una</i>
10	Cable entry <i>Intrare cablu</i>	From below <i>De jos</i>
11	Installation type <i>Tip de instalare</i>	Mounted on the wall <i>Montat pe perete</i>
12	Cabinet wall thickness, mm <i>Grosimea peretelui dulapului</i>	1.0
13	Number of entries <i>Numărul de intrări</i>	min. 4
14	Surface protection coating <i>Acoperire de protecție a suprafeței</i>	Polyester powder paint <i>Vopsea din pulbere poliester</i>
15	With circuit board <i>Cu placa pentru circuite</i>	Yes <i>Da</i>
16	Lock <i>Lacăt</i>	Yes <i>Da</i>
17	Weight, kg <i>Greutate</i>	max. 7
18	Installation type <i>Tip de instalare</i>	Apparent <i>Aparent</i>
19	Metal thickness, mm <i>Grosimea metalului</i>	1
20	Door opening angle, ° <i>Unghi de deschidere a ușii</i>	105

21	Case material Materialul carcasei	Steel Oțel
22	Operating temperature, °C Temperatura de exploatare	-40 ... +70

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Box equivalent BZUM TF-03-25 IP54 (<i>Tablou</i>)		
1	Height, mm <i>Înălțime</i>	max. 450
2	Width, mm <i>Lățime</i>	max. 355
3	Depth, mm <i>Adâncime</i>	max. 180
4	Degree of protection – IP <i>Grad de protecție</i>	IP54
5	Climatic variant <i>Varianta climatică</i>	Y2
6	The rated current, A <i>Curentul nominal</i>	25
7	RAL color number <i>Număr de culoare RAL</i>	7035
8	Thickness of cabinet door or cover, mm <i>Grosimea ușii dulapului sau a capacului</i>	1
9	Number of doors <i>Număr de uși</i>	Two <i>Două</i>
10	Cable entry <i>Intrare cablu</i>	From below <i>De jos</i>
11	Installation type <i>Tip de instalare</i>	Mounted on the wall <i>Montat pe perete</i>
12	Cabinet wall thickness, mm <i>Grosimea peretelui dulapului</i>	1.0
13	Number of entries <i>Numărul de intrări</i>	2
14	Surface protection coating <i>Acoperire de protecție a suprafeței</i>	Polyester powder paint <i>Vopsea din pulbere poliester</i>
15	With circuit board <i>Cu placa pentru circuite</i>	Yes <i>Da</i>
16	Lock <i>Lacăt</i>	Yes <i>Da</i>
17	Weight, kg <i>Greutate</i>	max. 9
18	Installation type <i>Tip de instalare</i>	Apparent <i>Aparent</i>
19	Metal thickness, mm <i>Grosimea metalului</i>	1
20	Door opening angle, ° <i>Unghi de deschidere a ușii</i>	105
21	Case material <i>Materialul carcasei</i>	Steel Oțel
22	Operating temperature, °C <i>Temperatura de exploatare</i>	-40 ... +70

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics
Characteristics for Conductor/cable equivalent 2x25 mm ² (<i>Conductor/cablu</i>)		
1	Norm <i>Norma</i>	SM HD626 S1:2015
2	The type of insulation <i>Tipul izolației</i>	Cross-linked polyethylene <i>Polietilenă reticulată</i>
3	Phase/neutral composition <i>Compoziția fază/neutru</i>	AL/AL
4	Section, mm ² <i>Secțiunea</i>	25
5	No. of spirals <i>Numărul de spire</i>	7 (RMC)
6	The diameter of the coils, mm <i>Diametrul spirelor</i>	6.7-7.1
7	Nominal insulation thickness, mm <i>Grosimea nominală a izolației</i>	1.3
8	Minimum insulation thickness, mm <i>Grosimea minimă a izolației</i>	1.07
9	Apparent diameter, mm <i>Diametrul aparent</i>	max. 20
10	Weight, kg/m <i>Greutatea</i>	max. 0.25
11	DC resistance (t=25°C), Ω/km <i>Rezistența la CC</i>	1,2
12	The maximum admissible intensity, A <i>Intensitatea maximă admisibilă</i>	130
13	SC current, t=1s, kA <i>Curentul de SC</i>	2,3
14	Nominal voltage, kV <i>Tensiunea nominală</i>	1
15	Maximum long-term temperature, °C <i>Temperatura maximă de lungă durată</i>	90
16	Operating period, years <i>Perioada de exploatare</i>	min. 30
17	Certification <i>Certificare</i>	ISO 9001:2008

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. Bidders shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	RfQ25/02980: CBM/ Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district	Date: Click or tap to enter a date.

Company Profile

Item Description	Detail
Legal name of bidder or Lead entity for JVs	Click or tap here to enter text.
Legal Address, City, Country	Click or tap here to enter text.
Website	Click or tap here to enter text.
Year of Registration	Click or tap here to enter text.
Legal structure	Choose an item.
Are you a UNGM registered vendor?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, insert UNGM Vendor Number
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate):	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate):	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable	<input type="checkbox"/> Yes <input type="checkbox"/> No

energies or membership of trade institutions promoting such issues <i>(If yes, provide a Copy)</i>				
Is your company a member of the UN Global Compact	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Bank Information	Bank Name: Click or tap here to enter text. Bank Address: Click or tap here to enter text. IBAN: Click or tap here to enter text. SWIFT/BIC: Click or tap here to enter text. Account Currency: Click or tap here to enter text. Bank Account Number: Click or tap here to enter text.			
Previous relevant experience: Three (3) contracts in terms of type construction/repair of social infrastructure sites and volume of works undertaken in Moldova or internationally with a value not less than 70,000 US\$ each, in over the past 5 (five) years				
Name of previous contracts	Client & Reference Contact Details including e-mail	Contract Value <i>(insert currency)</i>	Period of activity <i>(month/year)</i>	Types of activities undertaken

Bidder's Declaration

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Requirements and Terms and Conditions: I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.
<input type="checkbox"/>	<input type="checkbox"/>	Ethics: In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN.
<input type="checkbox"/>	<input type="checkbox"/>	Conflict of interest: I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Prohibitions and Sanctions: I/We hereby declare that our firm, ultimate beneficial owners, affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
<input type="checkbox"/>	<input type="checkbox"/>	Bankruptcy: I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.
<input type="checkbox"/>	<input type="checkbox"/>	Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.
<input type="checkbox"/>	<input type="checkbox"/>	I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused.
<input type="checkbox"/>	<input type="checkbox"/>	By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf.

Signature: _____

Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Date: Click or tap to enter a date.

ANNEX 3: TECHNICAL AND FINANCIAL OFFER – WORKS

Bidders are requested to complete this form, sign it and return it as part of their quotation along with Annex 2 Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	RfQ25/02980: CBM/ Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district	Date: Click or tap to enter a date.

Technical Offer

Provide the following:

- a brief description of company's qualifications and capacity that is relevant to the Scope of Works;
- a brief method statement and implementation plan;
- team composition and CVs of key personnel.

Financial Offer

Currency of the Quotation: US Dollars (USD) for international companies and Moldovan Leu (MDL) for local companies

Description of Works	Total Price <i>(insert currency)</i>
Establishing the street lighting system in Sănătăuca village, Florești district	
<i>Other expenses (please specify, if any)</i>	
<i>Cost of start-up/adjustment works for electrical street lighting installations</i>	
<i>Cost of laboratory checks for electrical and grounding installations</i>	
<i>The cost of developing technical execution documentation (topography, schemes, nodes, etc.)</i>	
Total	

Compliance with Requirements

Requirements	You Responses		
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter - offer
Delivery Lead Time – 90 days	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Validity of Quotation – 90 days	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Minimum warranty on works and materials: 3 years	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
<i>Installation Requirements</i> All the works must be carried out in accordance with national/local standards regarding civil	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

works			
List of transportation and specialized equipment units to be confirmed with the rights of ownership or contract of lease and availability of the functioning permit in line with national legislation	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
<i>Commissioning</i> Preliminary and final commissioning of the works must be initiated by the Supplier	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
<i>Technical Support Requirements</i> The contracted company will eliminate any infrastructure damages subject to quality guaranty in maximum one month from the moment of written notification	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
All Provisions of the UNDP General Terms and Conditions accepted	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
<p><i>Exact name and address of company</i></p> <p>Company Name: Click or tap here to enter text.</p> <p>Address: Click or tap here to enter text.</p> <p>Phone No.: Click or tap here to enter text.</p> <p>Email Address: Click or tap here to enter text.</p>	<p>Authorized Signature: _____</p> <p>_____</p> <p>Date: Click or tap here to enter text.</p> <p>Name: Click or tap here to enter text.</p> <p>Functional Title of Authorised Signatory: Click or tap here to enter text.</p> <p>Email Address: Click or tap here to enter text.</p>

ANNEX 4: TECHNICAL RESPONSIVENESS TABLE

Bidders are requested to complete this form, sign it and return it as part of their quotation along with Annex 2 Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	RfQ25/02980: CBM/ Establishing the street lighting system along the R19 route and the Nistru River bridge within the section passing through Sănătăuca village, Florești district	Date: Click or tap to enter a date.

Bidders shall provide all the applicable technical data of the materials proposed to demonstrate compliance with technical specifications included in Section 5: Schedule of Requirements; failing to do so may result in the bid being rejected. Corresponding documentation shall form part of the bidder's offer. You may also provide brochures for the offered equipment, in case available.

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Streetlamp equivalent VITAUM 1 5424 24 LED 350mA NW 740 45.5W <i>(Corp de iluminat)</i>					
1	CODE <i>Cod</i>	45,5 W			
2	Application <i>Aplicație</i>	Street lighting <i>Iluminat stradal</i>			
3	Nominal voltage <i>Tensiune nominală</i>	230 V~			
4	Nominal frequency <i>Frecvență nominală</i>	50 Hz			
5	Nominal power <i>Purere nominală</i>	45.5W %P 10%			
6	Power factor <i>Factor de putere</i>	0.94			
7	Total harmonic distortion <i>Distorsiuni armonice totale</i>	10%			
8	Insulation class <i>Clasa de izolație</i>	I			
9	Luminous flux <i>Flux luminos</i>	7500Lm			
10	Color temperature <i>Temperatura de culoare</i>	4000 K			
11	Efficiency <i>Eficiența</i>	139.3 Lm/W			
12	Optics/material <i>Optica/material</i>	Diffuser/polycarbonate <i>Dispensor/policarbonat</i>			

13	Protection degree <i>Gradul de protecție</i>	IP66			
14	Impact resistance <i>Rezistența la impact</i>	IK08			
15	Operating temperature <i>Temperatura de funcționare</i>	-30C ... +55C			
16	Weight <i>Masa</i>	2.5 kg			
17	Overall dimensions <i>Dimensiuni de gabarit</i>	307x207x80mm			
18	Inclination relative to the horizontal <i>Înclinare în raport cu orizontala</i>	max. 15			
19	Recommended mounting height <i>Înălțimea recomandată de montare</i>	4m - 15m			
20	Pipe clamping device <i>Dispozitiv strângere țevă</i>	D=42mm ...60mm			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Galvanized steel pole equivalent CC.7M <i>(Stâlp din oțel galvanizat)</i>					
1	Type <i>Tip</i>	Lighting Pole <i>Stâlp de iluminat</i>			
2	Form <i>Forma</i>	Octagonal			
3	Visiting door <i>Ușa de vizitare</i>	Yes <i>Da</i>			
4	Diameter Tip <i>Diametru Vârf</i>	60 mm			
5	Height <i>Înălțime</i>	7 m			
6	Set of 4 studs <i>Set 4 Prezoane</i>	Yes <i>Da</i>			
7	Applications <i>Aplicații</i>	Exterior			
8	Material <i>Material</i>	Galvanized steel <i>Oțel zincat</i>			
9	Sheet thickness <i>Grosime Tablă</i>	3 mm			
10	Case Color <i>Culoare Carcasă</i>	Gray <i>Gri</i>			
11	Weight <i>Greutate</i>	max 60 kg			
12	Admissible Wind Speed <i>Viteza Vântului Admisibilă</i>	130 km/h			
13	Warranty <i>Garanție</i>	24 months <i>24 luni</i>			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Digital programmable time switch equivalent TЭ-15 <i>(Intrerupător orar programabil digital)</i>					
1	The switching current, A <i>Curentul de comutare</i>	16			
2	Energy consumption, W <i>Consumul de energie</i>	6			
3	Number of programmable starts/stops <i>Numărul de porniri/opriri programabile</i>	8			
4	Time error, s/day <i>Eroare de timp, s/zi</i>	±2			
5	The time to save the set program when the supply voltage is off, not less than, h <i>Timpul de salvare a programului setat când tensiunea de alimentare este oprită, nu mai puțin de, h</i>	150			
6	Mechanical resistance to attrition, on/off cycles, no less than <i>Rezistență mecanică la uzură, cicluri de pornire/oprire, nu mai puțin de</i>	10000			
7	Electrical attrition resistance, on/off cycles, not less than <i>Rezistența la uzură electrică, cicluri de pornire/oprire, nu mai puțin de</i>	10000			
8	Degree of protection <i>Grad de protecție</i>	IP20			
9	Nominal voltage, V <i>Tensiune nominală</i>	230 (50 Hz)			
10	Climatic variant <i>Varianta climatică</i>	УХЛ4			
11	Operating temperature range, °C <i>Gama de temperaturi de funcționare</i>	-25 ... +40			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		Technical Compliance <i>(indicate details of proposed materials)</i>
			Compliance with technical specifications		
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Meter equivalent ME172-D2 <i>(Contor)</i>					
1	Single-phase electronic meter, Unom. = 230V <i>Contor electronic monofazat</i>				
2	Nominal frequency Fn: 50 Hz <i>Frecvența nominală</i>				
3	Liquid crystal display (LCD), display illumination in the absence of voltage <i>Afișaj cu cristale lichide (LCD), iluminarea afișajului în lipsa tensiunii</i>				
4	Temperature of use: -40...+60°C; <i>Temperatura de utilizare</i>				
5	The possibility of reading indications when disconnecting the voltage (presence of the accumulator/battery). <i>Posibilitatea de citire indicațiilor la deconectarea tensiunii (prezența acumulatorului/baterie)</i>				
6	Presentation of indications in optoport mode (auto scroll), manual and optoport. <i>Prezentarea indicațiilor în regim optoport (autoscroll), manual și optoport.</i>				
7	Measurement of active electrical energy in two directions separately (bidirectional, OBIS CODE 1.8.0 and 2.8.0.). <i>Măsurarea energiei electrice active în două direcții separat (bidirecțional, OBIS CODE 1.8.0 și 2.8.0.).</i>				
8	Accuracy class for active energy 1.0 (B) <i>Clasa de exactitate pentru energia activă 1,0 (B)</i>				
9	Storage of recorded values for at least 45 days. <i>Memorizarea valorilor înregistrate timp de cel puțin 45 de zile.</i>				
10	Basic current I nom = 5A <i>Curentul de bază I nom = 5A</i>				
11	Maximum current not less than 60A <i>Curentul maxim nu mai mic de 60A</i>				
12	Provision of the reading and parameterization program, the meter reading devices (Probe) and the production instruction (Manual). Through the parameterization program it must be possible (with a certain level of access) to: <i>Asigurarea cu programul de citire și parametrizare, dispozitivele de citirea contorului (Sonda) și instrucțiunea de producere (Manual). Prin programul de parametrizare trebuie să fie posibilitatea (cu un anumit nivel de acces) de:</i>				
	- Change/correct/install Date/Time <i>- Schimbarea/corectarea/instalarea Data/Ora</i>				
	- Change/correction – of the OBIS CODES that will be programmed into the meter <i>- Schimbarea/corectarea – a OBIS CODurilor care vor fi</i>				

	<i>programate în contor</i>			
13	Active energy profiles in two directions, voltage, current, date/time with recording interval not less than one hour and storage period not less than 45 days. <i>Profiluri de energie active în două direcții, tensiunea, curent, data/ora cu intervalul de înregistrare nu mai mic de o oră și cu perioada de stocare nu mai mică de 45 zile.</i>			
14	The possibility of recording and presenting in all reading modes (and in load profile) the value of voltage, current, current active power and maximum active power. <i>Posibilitatea de înregistrare și de prezentare în toate regimurile de citire (și în profil de sarcină) a valorii tensiunii, curentului, puterii active la moment și puterii active maxime.</i>			
15	The possibility of presenting the stored values (+W, -W, P max) on the 1st of each month in self-reading mode, manual and optoport. <i>Posibilitatea de prezentare a valorilor stocate(+W, -W, P max) la data de 01 a fiecărei luni în regim de autocitire, manual și optoport.</i>			
16	The installation of the meter must be carried out at least with 2 screws on the rack. The possibility of changing the fixing of the meter according to the height. <i>Montarea contorului să fie executată minim prin 2 șurupuri pe stelaj. Posibilitatea de schimbare a fixării contorului conform înălțimei.</i>			
17	Register of events with records for at least 90 days. <i>Registru de evenimente cu înregistrate timp de cel puțin 90 de zile.</i>			
18	Communication of values via RS 485 type port, with the minimum data transmission speed via RS 485 port – 9600 bps. DLMS/IEC 62056-21 data transmission protocol <i>Comunicarea valorilor prin port de tip RS 485, cu viteza minimă de transmiterea datelor prin port RS 485 – 9600 bps. Protocol de transmiterea datelor DLMS/IEC 62056-21</i>			
19	The possibility of replacing the accumulator/battery in specialized workshops. <i>Posibilitatea înlocuirii acumulatorului/bateriei în ateliere specializate.</i>			
20	Tariff programs <i>Programe tarifare</i>			
	For participants from EU countries according to GD no. 408 of 16.06.2015: <i>Pentru participanții din țările UE conform HG nr.408 din 16.06.2015:</i>			
	<ul style="list-style-type: none"> presenting a copy of the declaration of compliance with the requirements for type approval in the EU (p.32,38,45,48); <i>prezentarea copiei declarației de conformitate a cerințelor la aprobarea tipului în UE (p.32,38,45,48);</i> 			
	<ul style="list-style-type: none"> presentation of instructions and information for use, indicating the name and address of the manufacturer and importer in English and or the State language (p. 38, 47, 55); <i>prezentarea instrucțiunilor și informațiilor pentru utilizare, cu indicarea denumirea și adresei</i> 			

	<i>producătorului și importatorului în limba engleză și sau limba de Stat (p.38,47,55);</i>			
	For other participants: <i>Pentru alți participanți:</i>			
	<ul style="list-style-type: none"> metrological parameters according to NML 8-08:2018, NML 8-07:2017; <i>parametrii metrologici conform NML 8-08:2018, NML 8-07:2017;</i> 			
	<ul style="list-style-type: none"> type approval in R.M. and included in the State Register of measuring instruments of the Republic of Moldova; <i>aprobarea tipului în R.M. și incluse în Registrul de stat al mijloacelor de măsurare al R.M.;</i> 			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Box equivalent ЦМП-1-1/74/Y2 IP54 <i>(Tablou)</i>					
1	Height, mm <i>Înălțime</i>	max. 400			
2	Width, mm <i>Lățime</i>	max. 320			
3	Depth, mm <i>Adâncime</i>	max. 220			
4	Degree of protection – IP <i>Grad de protecție</i>	IP54			
5	Climatic variant <i>Varianta climatică</i>	Y2			
6	The rated current, A <i>Curentul nominal</i>	630			
7	RAL color number <i>Număr de culoare RAL</i>	7035			
8	Thickness of cabinet door or cover, mm <i>Grosimea ușii dulapului sau a capacului</i>	1			
9	Number of doors <i>Număr de uși</i>	One <i>Una</i>			
10	Cable entry <i>Intrare cablu</i>	From below <i>De jos</i>			
11	Installation type <i>Tip de instalare</i>	Mounted on the wall <i>Montat pe perete</i>			
12	Cabinet wall thickness, mm <i>Grosimea peretelui dulapului</i>	1.0			
13	Number of entries <i>Numărul de intrări</i>	min. 4			
14	Surface protection coating <i>Acoperire de protecție a suprafeței</i>	Polyester powder paint <i>Vopsea din pulbere poliester</i>			

15	With circuit board Cu placa pentru circuite	Yes <i>Da</i>			
16	Lock Lacăt	Yes <i>Da</i>			
17	Weight, kg Greutate	max. 7			
18	Installation type Tip de instalare	Apparent <i>Aparent</i>			
19	Metal thickness, mm Grosimea metalului	1			
20	Door opening angle, ° Unghi de deschidere a ușii	105			
21	Case material Materialul carcasei	Steel <i>Oțel</i>			
22	Operating temperature, °C Temperatura de exploatare	-40 ... +70			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Box equivalent BZUM TF-03-25 IP54 <i>(Tablou)</i>					
1	Height, mm <i>Înălțime</i>	max. 450			
2	Width, mm <i>Lățime</i>	max. 355			
3	Depth, mm <i>Adâncime</i>	max. 180			
4	Degree of protection – IP <i>Grad de protecție</i>	IP54			
5	Climatic variant <i>Varianta climatică</i>	Y2			
6	The rated current, A <i>Curentul nominal</i>	25			
7	RAL color number <i>Număr de culoare RAL</i>	7035			
8	Thickness of cabinet door or cover, mm <i>Grosimea ușii dulapului sau a capacului</i>	1			
9	Number of doors <i>Număr de uși</i>	Two <i>Două</i>			
10	Cable entry <i>Intrare cablu</i>	From below <i>De jos</i>			
11	Installation type <i>Tip de instalare</i>	Mounted on the wall <i>Montat pe perete</i>			
12	Cabinet wall thickness, mm <i>Grosimea peretelui dulapului</i>	1.0			
13	Number of entries <i>Numărul de intrări</i>	2			

14	Surface protection coating <i>Acoperire de protecție a suprafeței</i>	Polyester powder paint <i>Vopsea din pulbere poliester</i>			
15	With circuit board <i>Cu placa pentru circuite</i>	Yes <i>Da</i>			
16	Lock <i>Lacăt</i>	Yes <i>Da</i>			
17	Weight, kg <i>Greutate</i>	max. 9			
18	Installation type <i>Tip de instalare</i>	Apparent <i>Aparent</i>			
19	Metal thickness, mm <i>Grosimea metalului</i>	1			
20	Door opening angle, ° <i>Unghi de deschidere a ușii</i>	105			
21	Case material <i>Materialul carcasei</i>	Steel <i>Oțel</i>			
22	Operating temperature, °C <i>Temperatura de exploatare</i>	-40 ... +70			

No.	Technical parameters/characteristics for proposed materials (EN/RO)	Requested characteristics	Bidder's response		
			Compliance with technical specifications		Technical Compliance <i>(indicate details of proposed materials)</i>
			Yes, we comply	No, we cannot comply <i>(indicate discrepancies)</i>	
Characteristics for Conductor/cable equivalent 2x25 mm ² <i>(Conductor/cablu)</i>					
1	Norm <i>Norma</i>	SM HD626 S1:2015			
2	The type of insulation <i>Tipul izolației</i>	Cross-linked polyethylene <i>Polietilenă reticulată</i>			
3	Phase/neutral composition <i>Compoziția fază/neutru</i>	AL/AL			
4	Section, mm ² <i>Secțiunea</i>	25			
5	No. of spirals <i>Numărul de spire</i>	7 (RMC)			
6	The diameter of the coils, mm <i>Diametrul spirelor</i>	6.7-7.1			
7	Nominal insulation thickness, mm <i>Grosimea nominală a izolației</i>	1.3			
8	Minimum insulation thickness, mm <i>Grosimea minimă a izolației</i>	1.07			
9	Apparent diameter, mm <i>Diametrul aparent</i>	max. 20			
10	Weight, kg/m <i>Greutatea</i>	max. 0.25			
11	DC resistance (t=25°C), Ω/km <i>Rezistența la CC</i>	1,2			

12	The maximum admissible intensity, A <i>Intensitatea maximă admisibilă</i>	130			
13	SC current, t=1s, kA <i>Curentul de SC</i>	2,3			
14	Nominal voltage, kV <i>Tensiunea nominală</i>	1			
15	Maximum long-term temperature, °C <i>Temperatura maximă de lungă durată</i>	90			
16	Operating period, years <i>Perioada de exploatare</i>	min. 30			
17	Certification <i>Certificare</i>	ISO 9001:2008			