

RFP25/03147

Implementation of HES & MDMS Platform

1+1 HA Configuration (2 Lots)

Event

Pre-Bidding Conference

Project

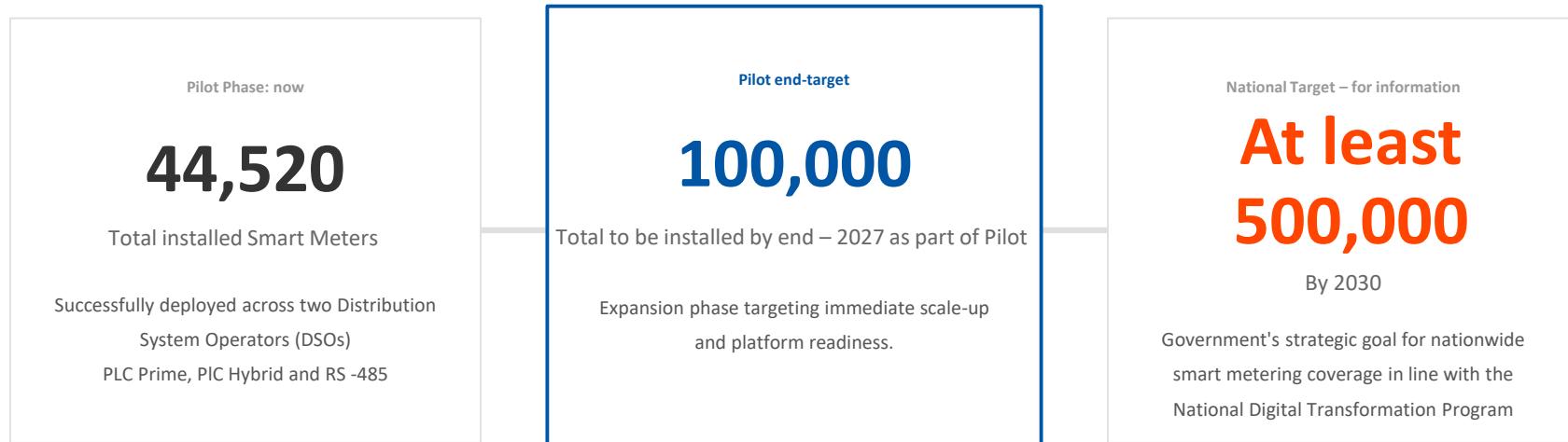
**Accelerating a Just Energy Transition
in the Republic of Moldova**

Negotiation number:

UNDP-MDA-00870

11 December 2025

Background: UNDP is implementing the Smart Metering Pilot (2024–2028) with funding from the Government of Italy, in close partnership and under the leadership of the Ministry of Energy of the Republic of Moldova. The initiative aims to modernizes the national metering infrastructure, integrates advanced digital technologies, and lays the foundation for a future large-scale smart metering rollout, improving efficiency, transparency, and services for consumers in electricity sector.



Procurement Scope

Primary Objective

The primary scope of this procurement is to select a qualified vendor for implementation, integration, customization and commissioning of a comprehensive Head End System (HES) and Meter Data Management System (MDMS) mature commercial platform with 3+ years commercial availability, 3+ deployment with over 100,000 meters per deployment to support the operationalization of the smart metering infrastructure currently deployed under the UNDP “Accelerating a Just Energy Transition in the Republic of Moldova” Programme.



Implementation

Deployment of core software infrastructure.



Integration

Seamless connectivity with existing DSO systems.



Customization

Tailoring to specific business processes of each DSO.



Commissioning

Full testing, UAT, and operational handover.

RfP Structure: Instructions to Bidders

SECTION 1

Letter of Invitation

Overview of the procurement. Lists all sections of the RfP and key documents to review.

SECTION 2

Instructions to Proposers

General requirements, eligibility criteria, scope of work, supplier code of conduct, and conflict of interest rules.

SECTION 3

Data Sheet

Key information: deadline for submission, proposal validity period, and other critical dates and requirements.

SECTION 4

Evaluation Criteria

How your proposal will be evaluated: technical quality, financial offer, experience, and other scoring criteria.

SECTION 5

Terms of Reference

Detailed technical specifications, requirements, deliverables, and scope of services for both LOT 1 (PED) and LOT 2 (RED-NORD).

SECTION 6

Conditions of Contract & Contract Forms

Legal terms, payment conditions, liability, insurance, and other contractual obligations.

SECTION 7

Proposal Forms

Required forms (A-L): Proposal confirmation, checklist, technical proposal, CV of key personnel, financial proposal, and security declaration.

SUBMISSION

How to Submit

Submit via Quantum NextGenERP supplier portal. Register at supplier.quantum.partneragencies.org. Contact sc.md@undp.org for support.

Important: Read all sections carefully. Ensure your proposal includes all required forms and meets all eligibility criteria. Submit well before the deadline. Non-compliant proposals may be rejected.

Lots Overview

LOT 1



Premier Energy Distribution

Capacity

55,000

Metering Points

 Technical Specs: Annex 1

LOT 2



RED-Nord

Capacity

45,000

Metering Points

 Technical Specs: Annex 2

Multi-Lot Bidding Requirement



For Bidders applying for both Lots — demonstrated experience with concurrent/parallel Implementations of similar scope and complexity is required.

Technical Specifications Reference

All technical specifications are strictly defined in the following Annexes:



Annex 1

Lot 1: PED



Annex 2

Lot 2: RED-Nord



Includes detailed Business Processes for each DSO attached to tender (Annex 1.1. and 2.1.)

Deliverables Structure – LOT 1 - PED

Timeline	D1.1	AS-IS Analysis Report
Month 1		<ul style="list-style-type: none">• Current State Analysis• Gap Identification• Draft Requirements
Timeline	D1.2	TO-BE Design Report
Month 2		<ul style="list-style-type: none">• Solution Architecture• Integration Specs• Final Requirements
Timeline	D2	Configured System
Months 3-6		<ul style="list-style-type: none">• Base Configuration• Customization & Integration• Data Migration
Timeline	D3	Testing & Validation
Months 7-8		<ul style="list-style-type: none">• Unit/Integration/Performance Testing• UAT Sign-off• Security Testing
Timeline	D4	Operational System
Months 9-10		<ul style="list-style-type: none">• Pilot (1,000 meters)• Full Rollout• Commissioning by 31.12.2026 <small>• IP Transfer</small>
Timeline	D5	Support Framework
Months 11-22		<ul style="list-style-type: none">• 12 Months Post-Commissioning Support• SLA-based Maintenance

Assignment Execution

Deliverables Structure – LOT 2 RED

Timeline Months 1-3	D1 Inception & Design <ul style="list-style-type: none">• Solution Architecture• Integration Specs• Final Requirements
Timeline Months 4-8	D2 Configured System <ul style="list-style-type: none">• Base Configuration• Customization & Integration• Data Migration
Timeline Months 9-10	D3 Testing & Validation <ul style="list-style-type: none">• Unit/Integration/Performance Testing• UAT Sign-off• Security Testing
Timeline Months 11-12	D4 Operational System <ul style="list-style-type: none">• Pilot (1,000 meters)• Full Rollout• Commissioning• IP Transfer
Timeline Months 13-24	D5 Support Framework <ul style="list-style-type: none">• 12 Months Post-Commissioning Support• SLA-based Maintenance

Eligibility Criteria

Mandatory Company Qualifications



5+ Years

HES/MDMS Experience

Development & implementation of HES/MDMS in 1+1 configuration.



3 Projects

Completed Deployments

Relevant complexity, >100,000 meters each, 1+1 configuration (last 5 years).



\$730k

Annual Turnover

Minimum annual turnover (2022-2024).

Applying for BOTH Lots: \$1.45M



≥ 1.0

Liquidity Ratio

Current Assets / Current Liabilities (avg. last 3 years).



Clean

Performance History

No non-performing contracts or consistent litigation history (last 3 years).



Valid

Legal Status

Legally registered, no bankruptcy, not on UN Ineligibility List.

Mandatory Key Personnel composition (9 key minimum staff to be proposed)

Management & Analysis

-  Project Manager / Team Leader

-  Business Analyst

-  Data Architect

-  Training & Documentation Expert

Technical Implementation

-  Software Developer
2 Experts Required

-  Database & Integration Expert

-  Quality Assurance / Tester

-  DevOps Engineer

Multi-Lot Bidding Requirement

 In the case the bidder applies for both lots, separate teams with distinct qualifications and experience must be provided for each lot. In case team member (except Team Leader) is not fully engaged in one LOT, he/she can be suggested as key personnel in the other LOT with full justification (workload weight) and a Gantt chart of engagement shall be provided. Scope: to address overlaps in assignments.

Evaluation Methodology – for information

Pass / Fail

Preliminary Examination

- Completeness of Proposal
- Acceptance of UNDP General Conditions
- Proposal Validity
- **Proposal Security** (Form L)
- Appropriate Signatures
- Power of Attorney (if applicable)

Technical Evaluation

- Expertise of Firm
- Methodology & Approach
- Key Personnel Qualifications

Weight

70%

Financial Evaluation

- Opened ONLY if Technical Score is reached

Weight

30%

Submission Rules in Quantum Portal

Negotiation ID



UNDP-MDA-00870

Search and subscribe to this ID immediately to receive all updates and clarifications.

File Organization



Separate Files

Technical and Financial proposals must be uploaded as distinct, separate files.

Submission Deadline



15 January

System automatically rejects late submissions. Time zone is EST/EDT (New York).

Critical Compliance



NO Financials in Technical

The Technical Proposal must NOT contain any price information. Violation leads to disqualification.

Submission Checklist

Required Submission Documents: SECTION 7: PROPOSAL FORMS from the solicitation

Administrative & Technical Forms

A-E Administrative Forms

Proposal Confirmation, Checklist, Submission, Info, JV Info

G Technical Proposal Format

Incl. Methodology, Approach, Implementation Plan

H-I Personnel Documents

CVs & Statements of Exclusivity (Signed)

Supporting Technical Documents

Doc Company Profile

Max 15 pages, list of relevant institutions

Doc Offer Compliance Matrix

Annex 3 (Lot 1) / Annex 4 (Lot 2) - Separate per Lot

Doc Warranty Statement post commissioning

Min. 12 months, free of charge

Doc Operational Continuity Declaration

Min. 5 years support (EOS/EOL) commitment

Financial Proposal (Separate File)

J-K Financial Proposal

Submission Form & Format (Separate for each Lot)

L Proposal Security

Bank Guarantee (Original within 10 days after deadline)

Qualification Documents

Doc Financial Statements

Audited (2022-2024), Income & Balance Sheets

Doc Performance Statements

Top 3 Clients (last 5 years)

Doc Certificates

Business Reg, Tax Payment, ISO 9001, Environmental

Financial Requirements

Proposal Security

Required Amount

\$10,000

For Bidders applying for BOTH LOTS

\$5,000

For Bidders applying for SINGLE LOT

Submission Process

1. **Copy:** Upload to Quantum system with online bid.
2. **Original:** Must be physically received by UNDP within **10 calendar days** after deadline.

DELIVERY ADDRESS:

UNDP Moldova
#131, 31 August 1989 Street,
MD-2012, Chisinau, Republic of Moldova
Mark: "Bid Security - RFP25/03147"

Validity

Must be valid for **30 days** after the final date of validity of bids.

Performance Security (Upon Award):

10% of Contract Value

Clarifications Process & Closing



Written Submission: UNDP-MDA-00870

All requests for clarification must be submitted in writing via the messaging functionality in the Quantum portal.

In case you face technical issues with registration, kindly address an inquire to: sc.md@undp.org

Thank You

We look forward to receiving your proposals.

“Accelerating a Just Energy Transition Program”