

Update on Grant Making for Matching Fund

The 3rd CCM Plenary Meeting on 28 September 2023

NCLE team

Matching Fund Proposal - Lao PDR Laboratory Systems Strengthening

| No. | National LSS Interventions (all sources) | Matching Fund activities to complement existing investments | <u>HANSA/ existing funds</u> | Matching Fund request |
|-----|--|---|------------------------------|-----------------------|
| 1 | Establish integrated transportation of samples for infectious disease (18 province) | Implement <i>integrated</i> sample transportation from DH upward, building on existing TB sample transport down to HC (HANSA-funded) <ul style="list-style-type: none"> • Refreshing relevant national guidelines • Baseline assessment of current specimen transport mechanisms & optimization analysis • Training, implementation, monitoring & supervision • Procurement of equipment & consumables for diagnostic specimen management & transportation • Sample transportation costs (mechanism TBD) | <u>\$ 450,000</u> | \$ 640,000 |
| 2 | Laboratory integration and efficiencies of services | Move towards integration of lab services to rationally allocate limited resources across vertical programs and general laboratory <ul style="list-style-type: none"> • Updating/revising national norms & standards, including basic testing package and requisite capacity, waste management guidelines • Standardization of essential diagnostic tests, utilization of existing infrastructure and equipment for multi-disease testing • Integration of training, supervision (complementing HANSA-funded TB lab training) • Procurement of equipment & consumables for lab waste management • Development & implementation of maintenance plan for all equipment (complementing HANSA-funded GX warranty) | <u>\$ 567,000</u> | \$ 605,000 |

Matching Fund Proposal - Lao PDR Laboratory Systems Strengthening

| No. | National LSS Interventions (all sources) | Matching Fund activities to complement existing investments | HANSA/ existing funds | Matching Fund request |
|-----|---|---|--------------------------|-----------------------|
| 3 | Strengthen laboratory data systems and information sharing | Progress toward a national LIMS system, connecting all provincial laboratories, and use of data for decision-making <ul style="list-style-type: none"> • Procurement of equipment & services (phased expansion of LIMS to connect all PH) • Integration with existing DHIS2 & surveillance data systems, sample tracking (linked with sample transport) | \$ 327,800 | \$ 370,000 |
| 4 | Strengthen Quality Management System | Targeted quality activities in service of #1-3 above <ul style="list-style-type: none"> • Revise guidelines and provide training on laboratory and specimen management procedures (supports #1, #6) • Integrate EQA programs (integrating HIV, TB, and other diseases) (#2) | \$ 992,950 | \$ 200,000 |
| 5 | Institutionalize biosafety, biosecurity and bio-risk assessment | Targeted biosafety activities in service of #1-3 above <ul style="list-style-type: none"> • Biosafety cabinet certification & replacement HEPA filters (#2) • Capacity building for biosafety cabinet field certifiers - basic accreditation (#2, supports bringing TB activities closer to general lab) | \$ 237,000 | \$ 125,000 |
| 6 | Enhance surveillance preparedness and response to disease outbreaks | Targeted surveillance activities in service of #1-3 above <ul style="list-style-type: none"> • Training in TB/HIV genomic sequencing for public health response and treatment (#2, complementing current plan to establish a surveillance lab at NCLE) • Procurement of consumables | \$ 2,175,000 | \$ 60,000 |
| | Total | | \$ 4,749,750 | \$ 2,000,000 |

Lao PDR TRP review outcome: Proceed to Grant Making, 7 August 2023

4.3 Matching Funds

Incentivizing RSSH Quality and Scale, Integrated Lab Systems Strengthening

Overall, the TRP recommends the matching funds request for grant-making. The TRP considers the matching funds to be complementary to the funding request, to have catalytic potential on access to healthcare and quality of care, to be strategically focused, technically sound, poised for impact and for sustainability. The access and programmatic conditions on matching funds are met:

- Lao PDR had to demonstrate that it invests a portion of its total country allocation that is greater than or equal to the amount of available matching funds, in lab strengthening activities: it has actually invested US\$ 4.7 million in laboratory strengthening activities from various funding sources, including the Global Fund allocation.
- Interventions proposed are in alignment with Global Fund's RSSH Information Note and serve to consolidate existing resources and initiatives to strengthen laboratory systems in two main areas: scaling laboratory network coverage, and rapid response.
- Activities proposed are designed to build, support and scale-up integrated laboratory services as outlined in their National Policy and National Strategic Plan for Health Laboratories 2023-2030.
- All interventions and activities proposed thereunder are in accordance with Health Sector Development Plan (2021-2025) and National Policy and National Strategic Plan (NSP) for Health Laboratories 2023-2030.
- Most of the interventions necessitate a comprehensive plan for upskilling and deployment of the health workforce at different levels of the health system.

Eligible activities :

- According to briefing note of Integrated Laboratory Systems Strengthening (ILSS) covered in three areas of eligible activities (Resilient and Sustainable System for Health):
 - 1) Scaling up network coverage & Rapid Response
 - 2) System intelligence, data science and System monitoring
 - 3) Improvement of Laboratory Infrastructure

Eligible activities 1: scaling up network coverage & Rapid Response

- 1) National laboratory governance and management structures.
- 2) **Specimen referral and transport system.**
- 3) Network optimization and geospatial analysis.
- 4) Laboratory supply chain systems.
- 5) Laboratory based surveillance.

Eligible activities 2: System intelligence, data science and System monitoring

- 1) Laboratory Information Systems- example of activities:
- 2) Training, human resource capacity building to enable statistical data to be reported, analyzed and used for decision-making purposes and shared.
- 3) Establishment of integrated laboratory information system (LIS), deployment to laboratories and training for laboratory staff on use of LIS and other tools.
- 4) Development, deployment and maintenance of data interoperability tools to support connectivity of LIS to LMIS, health management information system (HMIS), centralized data repositories and other critical digital infrastructure.
- 5) Deployment of electronic systems for reporting of notifiable diseases.

Eligible activities 3: Improvement of Laboratory Infrastructure

- 1) Quality management systems and accreditation.
- 2) Laboratory supply chain systems.
- 3) Biosafety and biosecurity, infrastructure and equipment.

example of activities:

- Key infrastructure upgrades for existing or new laboratories, including water, electricity, internet; facility enhancement.
- Establishing connectivity for diagnostic analyzers and connectivity to a national database.
- Aligning deployed equipment with the national standardized list of laboratory equipment.
- Establishment, scale-up and management of a maintenance plan for all equipment at all tiers.
- Private sector contracting for in-sourcing of diagnostic capacity.
- Development and scaling of national waste management capabilities.
- Improvement of quality infrastructure, Quality Management Systems, systems f

Progress on update Grant making of MF

- NCLE has draft the workplan based on the ILSS under Resilient and Sustainable System for Health (RSSH)-
- the draft work plan shared with GF mission on Friday night 25 August 2023.
- Updated on Budget detail, EOI and some list of equipment shared with GF on 15 September 2023.
- Revised budget and put into the GF template on 20 September and submitted.
- 25 September: Meeting with GF for discussion on budget and TA including issues and submit by 27 September 2023.

Summary of feedback and recommendations from GF-MF on 25 Sept meeting

- Agreed indicators:
 - ✓ Proportion of molecular diagnostic analyzers (GXP) achieving at least 85% functionality (ability to test samples) during the reporting period
 - ✓ Proportion of laboratories successfully participating and passed in external quality assurance (EQA) or proficiency testing (PT) schemes
- **Focus on TWO key intervention areas, based on the above indicators:**
 - 1) Specimen referral and transport system
 - 2) Quality management systems and accreditation
- All activities to support integrated lab services such as laboratory information system, biosafety & security, surveillance etc. to be RE-CLASSIFIED and further defined under the umbrella of QMS.
- In terms of planning, establishment of Quality Management unit is priority and must be completed first. The unit can coordinate implementation of other activities.
- TA for DNO

Summary of feedback and recommendations from GF-MF on 25 Sept meeting

| Intervention | Cost group/input | 3-year budget (MF) | GF Feedback 21 Sep 2023 |
|---|---|--------------------|---|
| RSSH/PP: Network optimization and geospatial analysis | | \$ 100,000.00 | TO REMOVE - this has been budget for 6-month TA for DNO. This can be met from ITA budget of USD 300k. Suggest to remove from here and instead keep a budget line for WHO Lab TA for 3 years |
| | 2.0 Travel related costs (TRC) | \$ 271,792.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 5.0 Health Products - Non-Pharmaceuticals (HPNP) | \$ 100,000.00 | OK - since the plan is to procure equipment and consumables, split the budget across correct cost inputs - 5.6 (other lab reagents, kits, consumables) and 6.6 (other health equipment). NCLE to share list of equipment and consumables |
| RSSH/PP: Specimen referral and transport system | 3.4 External Professional services (EPS) | \$ 150,000.00 | OK - this is for outsourcing/contracting supplier for actual sample transportation, conditional upon DNO and operational plan; budget to be incorporated from Y2 onwards |
| | 3.1 Technical assistance fees/consultants | \$ 237,300.00 | TO ADD (this is not yet in the proposal)- WHO Lab TA (1FTE) over 3 years to support across all areas (shifted from GF allocation under HANSA) |
| | 6.11 Health Products - Equipment (HPE) | \$ 30,000.00 | OK - since the plan is to procure equipment and consumables, split the budget across correct cost inputs. NCLE to share list of equipment and consumables |
| RSSH/PP: Quality management systems and accreditation | 6.5 Health Products - Equipment (HPE) | \$ 186,000.00 | Service & maintenance is still "TB" vs "NCLE/CHAI" owned equipment/GXP. In the GF allocation, there is USD 388k budget for S&M alone. Suggest to keep all S&M budget under MF - USD 300,000 |
| | 6.5 Health Products - Equipment (HPE) | \$ 45,000.00 | OK - for procurement of HEPA filter and UV lamps |
| | 1.7 Salaries | \$ 216,000.00 | TO BE REVIEWED - for 12 NCLE staff @USD 500 per month - salary or incentive (performance-based or task-based?) |
| | 2.0 Travel related costs (TRC) | \$ 392,676.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 3.4 External Professional services (EPS) | \$ 306,000.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 9.1 IT - Computers, computer equipment, Software and applications | \$ 175,100.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 10.1 Printed materials | \$ 15,000.00 | TO BE REVIEWED - based on WPTM and budget available |
| | | | |

Summary of feedback and recommendations from GF-MF on 25 Sept meeting (Cont)

Summary of feedback and recommendations

- Proposed WPTMs – milestones and criteria for completion

| Intervention | YEAR 1 | | YEAR 2 | | YEAR 3 | |
|---|--|---|--|--|--|--|
| | Milestone | Criteria for completion | Milestone | Criteria for completion | Milestone | Criteria for completion |
| Specimen referral and transport system | DNO assessment completed | DNO assessment report with proposed options for sample transportation network and optimizing GXP capacity - approved by MoH | Informed country operational plan for integrated sample transportation and placement plans for GXP | Service providers contracted | Integrated sample transportation network operational and incorporated into existing MoH/Lab structures | Different levels of HFs trained on sample transportation SOP |
| Quality management system and accreditation | Quality management unit (QMU) established at the central level | QMU staffed, approved ToR and workplan/priorities for 2024-2026 | National framework on integrated laboratory services developed | Operationalization plan for the framework approved | EQA/PT program designed for integrated laboratory services and selection of EQA providers | Different levels of laboratories participating in the EQA/PT |

Cross cutting issues - #1

| Intervention | Cost group/input | 3-year budget (MF) | GF Feedback 21-Sep-2023 |
|---|---|--------------------|---|
| RSSH/PP: Network optimization and geospatial analysis | | \$ 100,000.00 | TO REMOVE - this has been budget for 6-month TA for DNO. This can be met from ITA budget of USD 300k. Suggest to remove from here and instead keep a budget line for WHO Lab TA for 3 years |
| | 2.0 Travel related costs (TRC) | \$ 271,792.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 5.0 Health Products - Non-Pharmaceuticals (HPNP) | \$ | is to procure equipment and consumables, split the direct cost inputs - 5.6 (other lab reagents, kits, |
| RSSH/PP: Specimen referral and transport system | 3.4 External Professional services (EPS) | \$ | <p>Previous plan: \$300k TA fund to be used for embedded TA support at NCLE (for QMS support, sample transport, biosafety); DNO technical support included in MF</p> <p>GF recommendation: Use \$300k TA fund for DNO/Sample Transport technical support (clearer deliverables easier for GF to manage). Confirmed that we can include the embedded cross-cutting TA in the MF.</p> <p>Approach: Agree with GF, revise TA EOI to focus on DNO/STN and build embedded TA position into MF</p> |
| | 3.1 Technical assistance fees/consultants | \$ | |
| | 6.11 Health Products - Equipment (HPE) | \$ | <p>GF recommendation: Use \$300k TA fund for DNO/Sample Transport technical support (clearer deliverables easier for GF to manage). Confirmed that we can include the embedded cross-cutting TA in the MF.</p> <p>Approach: Agree with GF, revise TA EOI to focus on DNO/STN and build embedded TA position into MF</p> |
| | 6.5 Health Products - Equipment (HPE) | \$ | |
| | 6.5 Health Products - Equipment (HPE) | \$ | |
| RSSH/PP: Quality management systems and accreditation | 1.7 Salaries | \$ | |
| | 2.0 Travel related costs (TRC) | \$ | <p>GF recommendation: Use \$300k TA fund for DNO/Sample Transport technical support (clearer deliverables easier for GF to manage). Confirmed that we can include the embedded cross-cutting TA in the MF.</p> <p>Approach: Agree with GF, revise TA EOI to focus on DNO/STN and build embedded TA position into MF</p> |
| | 3.4 External Professional services (EPS) | \$ | |
| | 9.1 IT - Computers, computer equipment, Software and applications | \$ 175,100.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 10.1 Printed materials | \$ 15,000.00 | TO BE REVIEWED - based on WPTM and budget available |

Cross cutting issues - #2

| Intervention | Cost group/input | 3-year budget (MF) | GF Feedback 21 Sep 2023 |
|---|--|--------------------|---|
| RSSH/PP: Network optimization and geospatial analysis | | \$ 100,000.00 | TO REMOVE - this has been budget for 6-month TA for DNO. This can be met from ITA budget of USD 300k. Suggest to remove from here and instead keep a budget line for WHO Lab TA for 3 years |
| | 2.0 Travel related costs (TRC) | \$ 271,792.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 5.0 Health Products - Non-Pharmaceuticals (HPNP) | \$ 100,000.00 | OK - since the plan is to procure equipment and consumables, split the budget across correct cost inputs - 5.6 (other lab reagents, kits, consumables) and 6.6 (other health equipment). NCLE to share list of equipment and consumables |
| RSSH/PP: Specimen referral and transport system | 3.4 External Professional services (EPS) | \$ 150,000.00 | OK - this is for outsourcing/contracting supplier for actual sample transportation, conditional upon DNO and operational plan; budget to be incorporated from Y2 onwards |
| | 3.1 Technical assistance fees/consultants | \$ 237,300.00 | TO ADD (this is not yet in the proposal)- WHO Lab TA (1FTE) over 3 years to support across all areas (shifted from GF allocation under HANSA) |
| | 6.11 Health Products - Equipment (HPE) | \$ | OK - since the plan is to procure equipment and consumables, split the budget across correct cost inputs. NCLE to share list of equipment and consumables |
| | | | finance is still "TB" vs "NCLE/CHAI" owned equipment/GXP. on, there is USD 388k budget for S&M alone. Suggest to budget under MF - USD 300,000 |
| | | | ment of HEPA filter and UV lamps |
| | | | ED - for 12 NCLE staff @USD 500 per month - salary or performance-based or task-based?) |
| | | | ED - based on WPTM and budget available |
| | | | ED - based on WPTM and budget available |
| | | | ED - based on WPTM and budget available |
| | | | ED - based on WPTM and budget available |

Previous plan: WHO Lab TA position included in HANSA TA budget

GF recommendation: Move WHO Lab TA position into MF because the position will support both NTC and NCLE

Approach: Agree it makes sense for this TA position to be cross-cutting, but this has big implications for MF budget (12% of MF budget). Would prefer if this position remained financed under HANSA, if possible.

Cross cutting issues - #3

Previous plan: Maintenance for TB GXP included in HANSA (\$300k, 44 machines);
Maintenance for NCLE GXP included in MF (\$96k)

GF recommendation: Move \$300k TB GXP maintenance to MF, recognizing that warranty contract for all Laos GXPs should be negotiated together.

Approach: Agree we should negotiate warranty contract for all GXP devices, unclear why that requires financing to all come from same source. \$300k cannot be accommodated in existing MF budget. If financing needs to be in "same place" in budget, proposed moving \$96k for NCLE machines into HANSA budget

| Intervention | | | | |
|---|---|----|------------|--|
| RSSH/PP: Network optimization and geospatial analysis | | | | |
| RSSH/PP: Specimen referral and transport system | | | | |
| | 6.11 Health Products - Equipment (HPE) | | 90.00 | budget across correct cost inputs. NCLE to share list of equipment and consumables |
| | 6.5 Health Products - Equipment (HPE) | \$ | 186,000.00 | Service & maintenance is still "TB" vs "NCLE/CHAI" owned equipment/GXP. In the GF allocation, there is USD 388k budget for S&M alone. Suggest to keep all S&M budget under MF - USD 300,000 |
| | 6.5 Health Products - Equipment (HPE) | \$ | 45,000.00 | OK - for procurement of HEPA filter and UV lamps |
| RSSH/PP: Quality management systems and accreditation | 1.7 Salaries | \$ | 216,000.00 | TO BE REVIEWED - for 12 NCLE staff @USD 500 per month - salary or incentive (performance-based or task-based?) |
| | 2.0 Travel related costs (TRC) | \$ | 392,676.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 3.4 External Professional services (EPS) | \$ | 306,000.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 9.1 IT - Computers, computer equipment, Software and applications | \$ | 175,100.00 | TO BE REVIEWED - based on WPTM and budget available |
| | 10.1 Printed materials | \$ | 15,000.00 | TO BE REVIEWED - based on WPTM and budget available |

Thank you very much

