

# 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 <b>transportation of samples</b> 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"> <li>• Refreshing relevant national guidelines</li> <li>• Baseline assessment of current specimen transport mechanisms &amp; optimization analysis</li> <li>• Training, implementation, monitoring &amp; supervision</li> <li>• Procurement of equipment &amp; consumables for diagnostic specimen management &amp; transportation</li> <li>• Sample transportation costs (mechanism TBD)</li> </ul>	<u>\$ 450,000</u>	\$ 640,000
2	<b>Laboratory integration</b> 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"> <li>• Updating/revising national norms &amp; standards, including basic testing package and requisite capacity, waste management guidelines</li> <li>• Standardization of essential diagnostic tests, utilization of existing infrastructure and equipment for multi-disease testing</li> <li>• Integration of training, supervision (complementing HANSA-funded TB lab training)</li> <li>• Procurement of equipment &amp; consumables for lab waste management</li> <li>• Development &amp; implementation of maintenance plan for all equipment (complementing HANSA-funded GX warranty)</li> </ul>	<u>\$ 567,000</u>	\$ 605,000

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3	Strengthen laboratory <b>data systems</b> 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"> <li>• Procurement of equipment &amp; services (phased expansion of LIMS to connect all PH)</li> <li>• Integration with existing DHIS2 &amp; surveillance data systems, sample tracking (linked with sample transport)</li> </ul>	\$ 327,800	\$ 370,000
4	Strengthen <b>Quality Management System</b>	Targeted quality activities in service of #1-3 above <ul style="list-style-type: none"> <li>• Revise guidelines and provide training on laboratory and specimen management procedures (supports #1, #6)</li> <li>• Integrate EQA programs (integrating HIV, TB, and other diseases) (#2)</li> </ul>	\$ 992,950	\$ 200,000
5	Institutionalize <b>biosafety, biosecurity</b> and bio-risk assessment	Targeted biosafety activities in service of #1-3 above <ul style="list-style-type: none"> <li>• Biosafety cabinet certification &amp; replacement HEPA filters (#2)</li> <li>• Capacity building for biosafety cabinet field certifiers - basic accreditation (#2, supports bringing TB activities closer to general lab)</li> </ul>	\$ 237,000	\$ 125,000
6	Enhance <b>surveillance preparedness</b> and <b>response</b> to disease outbreaks	Targeted surveillance activities in service of #1-3 above <ul style="list-style-type: none"> <li>• Training in TB/HIV genomic sequencing for public health response and treatment (#2, complementing current plan to establish a surveillance lab at NCLE)</li> <li>• Procurement of consumables</li> </ul>	\$ 2,175,000	\$ 60,000
	<b>Total</b>		<b>\$ 4,749,750</b>	<b>\$ 2,000,000</b>