



National Centre for Laboratory and Epidemiology (NCLE)

Global Fund's Integrated Laboratory Systems Strengthening
Matching Fund 2024-2026 update

The 2nd Country Coordinating Mechanism Plenary Meeting – Calendar Year 2024

23 July 2024

Laboratory Systems Strengthening Implementation plan and *progress*



Activity	Description	Status Update
Capacity enhancement on Laboratory System and QM unit	Establishment of QM unit and recruitment of staff to support implementation of MF QMS related activities	7 QM unit staff recruited
	Technical Assistance to support implementation of Laboratory System Strengthening (LSS) interventions	Lab TA recruited
	Joint consultative meeting and establishment of technical advisor and working groups	All required requesting document were re-submitted to DCDC and DPF for approval.
Development of Policy foundation for integrated laboratory	Technical Working Group meeting to review national standard for infrastructure, tests, techniques and equipment for all laboratory levels.	To hold in Q4
	Technical meeting and consultation on SOPs for integrated laboratory - operations, specimen management	To hold in Q4
	Establish national integrated EQA system- strengthening integration of existing EQA programs	To hold in Q4
	Contracting waste disposal contractor to collect and dispose of expired reagents and supplies including broken equipment	All required requesting document submitted and approved. Vendor selection is currently in process. Expected to do annually (2025&2026)
	Strengthening inventory systems- conduct inventory clean-up and physical inventory count at NCLE	QM unit staff conducted inventory clean-up and physical inventory count at NCLE storage. Inventory updated and expired items report submitted for waste disposal plan. Items rearrangement plan and floor plan updated

Laboratory Systems Strengthening Implementation plan and *progress (cont.)*



Activity	Description	Status Update
Strengthening the Biosafety/biosecurity capacity	Meeting and advocacy on Biosafety/security materials updates	To hold in Q4
	Enroll 4 health personnel in basic level of accreditation for biosafety cabinet field certifier program in Thailand	To enroll in 2026
	Certify 40 biosafety cabinets in 17 provincial hospital labs and in 6 central level labs using external certifiers	Required requesting document in preparation and plan to start in coming Q4 and in 2025&2026
	Procurement of biosafety HEPA filters and UV lamps and Replacement service for HEPA filter in BSC (Removing and replacing the exhaust HEPA filter)	To provide specification of HEPA filters to DPF by Q4 and in 2025 and 2026
	Biosafety/security materials updates and printing	To do in 2025
	Biosafety/biosecurity refresher training for staff at provincial and district level labs in 10 provinces	To conduct in 2025 for provincial level and 2026 for district level

Laboratory Systems Strengthening Implementation plan and *progress (cont.)*



Activity	Description	Status Update
Laboratory Information Management System(LIMS) Strengthening	<p>Detailed LIMS scale-up workplan</p> <p>LIMS pilot close-out meeting</p> <p>Technical meeting on LIMS</p> <p>Contract vendor for LIMS implementation in 17 provincial hospitals, LIMS license and services fee and expansion</p> <p>Procurement of LIMS hardware</p> <p>Network enhancement at NCLE</p> <p>LIMS- training in introduction and practical uses of LIMS in 17 provincial hospital labs</p> <p>GXP Service & maintenance</p> <p>GXP warranty extension for 12 NCLE GX devices plus 54 NTC devices</p>	<p>Submitted to DPF on 21 May 2024</p> <p>Held on 30 May 2024</p> <p>To hold once LIMS scope of work has been established</p> <p>To hold stakeholder alignment meeting to define LIMS scope of work.</p> <p>Specification of relevant hardware listed</p> <p>Specification of relevant hardware and software have listed and ready to submit along with budget plan</p> <p>To conduct in 2025</p> <p>Updated inventory of GXP status and functionality submitted to DPF on 23 May 2024 and services option from Cepheid selected. (Repair 60 broken modules, then calibrate all modules and select 2-year warranty extension)</p>

Laboratory Systems Strengthening Implementation plan and *progress (cont.)*



Activity	Description	Status Update
Establishment of Sample Transportation (ST) Network	<p>External TA recruitment - Technical Assistance to support operational planning for integrated sample transportation system in Lao PDR</p>	<p>Submitted relevant documents to DPF on 21 May 2024 Awaiting GF selection of Sample Transportation Network (STN) vendor</p>
	<p>Consultation meeting and technical review meeting on rationalization and mapping of ST routes</p>	<p>Expected to hold in December 2024</p>
	<p>Contract selected supplier for ST between district & provincial I& central levels and support ST costs between HCs and district level lab.</p>	<p>The contract will begin in 2026</p>
	<p>Procurement of equipment and consumables for sample transportation</p>	<p>Specification of equipment and consumables will be listed and submitted in 2025 along with budget plan</p>
	<p>Develop sample transportation SOPs and printing</p>	<p>To complete and print out in 2025 before conducting training</p>
	<p>Training on ST SOPs and tracking system</p>	<p>To conduct in 2026 before vendor contract signing and roll out the system</p>



Thank you very much