

SCOPE OF WORK -- MISEQ SYSTEM 1YEAR SERVICE CONTRACT

DATE: OCTOBER 21, 2020

(1) BACKGROUND/STATEMENT OF NEED

CDC Thailand has next generation sequencing (NGS) platform that provides the highest quality data through a simple, intuitive instrument workflow. Instrument applications focus on microbial genomics (detection, identification, antimicrobial sensitivity testing and molecular epidemiology). This is especially true of the advanced molecular diagnostic tools that are used within our program. It is vital that laboratory testing results are accurate and perform to the required sensitivity and specificity throughout the duration of a study. To facilitate this, it is essential that instruments receive the needed preventive maintenance throughout the year. Having a maintenance contract in place.

(2) OBJECTIVE(S)

Preventive maintenance service contract reduces the possibility of instrument inoperability for long periods of time, it ensures we receive prompt service and reduces our expenses as problems are identified before the instrument malfunctions. This is an essential service as it improves equipment life and avoids any unplanned maintenance activity;

 Illumina MiSeq System

 Division of Global Health and Protection (DGHP) Lab Branch

 Department of Medical Science 2 Bldg., 1st floor,

 Ministry of Public Health, Nonthaburi

(3) REQUIREMENTS/SCOPE OF WORK

- (a) Assurance services contract must be performed by qualified individuals who have the appropriate education, training, background and experience for calibrating & maintaining Illumina MiSeq next generation sequencer. The service engineers should be certified by the manufacturing company for work on these advanced molecular diagnostic instruments.
- (b) Service period should cover one year and include two pre-scheduled preventive maintenance visits for the MiSeq instrument.
- (c) PM must include calibration of instruments using methods recommended by the manufacturer including;
 - Physical checks
 - System mechanical checks
 - Electrical checks
 - Software checks
 - Measuring instrument
- (d) The service price needs to include all parts, labor and travel

- (e) The service must include on-site Software updates and System Troubleshooting support
- (f) The vendor shall generate the maintenance report for each preventive maintenance.

(4) OTHER ADDITIONAL INFORMATION

- Period of service is November 16, 2020 – November 15, 2021.
- Service pre-schedule: 2PM visit/year (every 6 month)
- Payment shall be made after service performed with 30 days credit.
- Vendor must be authorized to provide product and services in Thailand.