

BIL	Quotation Reference	Description	Advertisement Date	Closing Date (Not Later Than 2.00PM)	Quotation Fee	Requesting Department	Focal Person
2	BME/A2K/(990)/2023/HTD (A20)	<p><b>REPAIR, WORKSTATION UPGRADE ONE OFF PREVENTIVE MAINTENANCE FOR ONE (1) UNIT OF ION CHROMATOGRAPHY (IC) SYSTEM, BRAND: THERMO SCIENTIFIC DIONEX, MODEL: ICS 3000, S/N:0901010195, BME6927, AT FOOD CHEMISTRY SECTION, DEPARTMENT SCIENTIFIC SERVICES</b></p> <p>PLACE OF SUBMISSION:            QUOTATION BOX (GROUND FLOOR)            MINISTRY OF HEALTH            COMMONWEALTH DRIVE            BANDAR SERI BEGAWAN, BB 3910            NEGARA BRUNEI DARUSSALAM</p>	06/02/2023	25/02/2023	\$5.00	JABATAN TEKNOLOGI PENJAGAAN KESIHATAN, KEMENTERIAN KESIHATAN.	ZAENUL 'ARIFIEN BIN DATO PADUKA HAJI MOHD ROSLI JURUTERA PERUBATAN HAYAT TEL: 2382424 ext. 6122 / 6232

# LAMPIRAN - A1

RÚJ: BME/A2K/(990)/2023/HTD (A20)

1/2/2023

**REPAIR, WORKSTATION UPGRADE AND ONE OFF PREVENTIVE MAINTENANCE FOR ONE (1) UNIT OF ION CHROMATOGRAPHY (IC) SYSTEM, BRAND: THERMO SCIENTIFIC DIONEX, MODEL: ICS 3000, S/N: 09010195, BME6927, AT FOOD CHEMISTRY SECTION, DEPARTMENT SCIENTIFIC SERVICES**

## SCOPE OF WORK

Repair, upgrade and one-off preventive maintenance for one (1) unit of Ion Chromatography (IC) system, Brand: Thermo Scientific Dionex Model: ICS 3000, S/N: 09010195, BME6927, at Food Chemistry Section, Department of Scientific Services. Scope of work inclusive but not limited to:

- Repair by replacement of identified spare parts (item 1 from Lampiran A2)
- Software and workstation upgrade (items 2 & 3 from Lampiran A2). Workstation hardware to follow specification as recommended by manufacturer suitable for use with the Thermo Scientific Dionex ICS 3000 system in use.
- Preventive maintenance for the complete system, where the components of the system include:
  - (i) ICS3000DP (S/N: 09010195)
  - (ii) ICS3000EG (S/N: 09010200)
  - (iii) ICS3000DC (S/N: 09010373)
  - (iv) AXP PUMP (S/N: A0028673 & A0028676)
  - (v) AS-AP (S/N: 14091043)
  - (vi) PDA (S/N: 14090550)
- Scope of work on the IC system to follow Thermo Scientific Dionex preventive maintenance manual/recommendation specific for this system which include the following where necessary:
  - (i) inspection
  - (ii) cleaning
  - (iii) installation of PM kits, consumables and spare parts listed in spareparts list (items 4 - 15 from Lampiran A2)
  - (iv) alignment
  - (v) calibration
  - (vi) any other related preventive maintenance works required.
- Functional check post-maintenance.
- Apply preventive maintenance sticker/tag after successful service.
- Disposal of any used spare parts/pm kits, unless otherwise instructed.
- Work on the IC system is to be carried out by engineer(s) authorised in providing maintenance to Thermo Scientific Ion Chromatography systems.
- Vendor(s) to submit maintenance checklist specific for Thermo Scientific Dionex ICS 3000 systems along with other necessary documents to join this tender.

## LAMPIRAN - A2

RUJ: BME/A2K/(990)/2023/HTD (A20)

REPAIR, WORKSTATION UPGRADE AND ONE OFF PREVENTIVE MAINTENANCE FOR ONE (1) UNIT OF ION CHROMATOGRAPHY (IC) SYSTEM, BRAND: THERMO SCIENTIFIC DIONEX, MODEL: ICS 3000, S/N: 09010195, BME6927, AT FOOD CHEMISTRY SECTION, DEPARTMENT SCIENTIFIC SERVICES

NO	SPAREPART	PART NUMBER	QUANTITY
1	Conductivity Detector	061830	1 unit
2	Software upgrade 6.8 to 7.x=SE/WE		1 unit
3	Computer with monitor, keyboard and mouse		1 unit
4	DP Preventive Maintenance Kit	61794	2 ea
5	DC/TC Preventive Maintenance Kit	75974	2 ea
6	AM Manager 10 Port Valve	AAA-061759	2 ea
7	Piston Seal Kit, 10ml	61041	2 ea
8	Backpressure loop	61491	2 ea
9	Inlet filter, 20 micron	61042	2 ea
10	Replacement Filter Elements for 061042, pkg	61043	2 ea
11	AS-AP PM Kit	75000	1 ea
12	EGCIII KOH Potassium Hydroxide Generator Cartridge	74532	1 ea
13	PROD, Col, IP, AG18, 4 x 50mm	60551	1 ea
14	PROD, Col, IP, AS18, 4 x 250mm	60549	1 ea
15	Sample Syringe, 4ml, AS-AP	74308	1 ea