Solicitation No. PR10066615

CDC – Air Replacement at Silom Community Clinic@TropMed

Questions and Answers

Question 1: Please inform the temperature of cooling water before going to fan coil in unit °F.

Chilled Water Inlet/outlet 44/54 °F

Question 2: Please inform the flowrate of cooling mainstream at 12th floor before the splitting point.

Chilled Water Flowrate US. gpm

Location	Cooling Capacity** (btu/h)	Model	Type	Unit	Chilled Water Inlet/outlet	Chilled Water Flowrate US. gpm
CASI room	26,100	Carrier, model: 42VFS008W	Floor/Ceiling	1	44/54 °F	5.22
Document room 1	39,200	Carrier, model: 42VFS012W-10	Floor/Ceiling	1	44/54 °F	7.84
Document room 2	39,200	Carrier, model: 42VFS012W-10	Floor/Ceiling	1	44/54 °F	7.84
Examination room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	2	44/54 °F	2.88
Introduction room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	1	44/54 °F	2.88
Nurse room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	6	44/54 °F	2.88
Nurse Case room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	1	44/54 °F	2.88
Physician room	39,200	Carrier, model: 42VFS012W-10	Floor/Ceiling	1	44/54 °F	7.84
QA/QC room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	1	44/54 °F	2.88
Reception room	14,400	Carrier, model: 42VFS004W	Floor/Ceiling	1	44/54 °F	2.88
Waiting room	54,900	Carrier, model: 42VFS016W	Floor/Ceiling	1	44/54 °F	10.98

Question 3: Questions relating to drawing plan

- Pipe size and pipe plan
- Floor plan drawing with location for existing FCU and main CB panel box
- Piping diagram for chilled water system
- Other relate drawing

Drawing plans for this solicitation are available, please contact Khun Katekarn Chandsoda, Procurement Agent, email: ChandsodaK@state.gov within September 10, 2021.

Question 4: Could you give us the existing AC plan and capacity?

Location	Existing A/C Capacity (btu/h)	Replacement Capacity** (btu/h)	Unit	Model	Type	Chilled Water Inlet/outlet	Chilled Water Flowrate US. gpm
CASI room	24,000	26,100	1	Carrier, model: 42VFS008W	Floor/Ceiling	44/54 °F	5.22
Document room 1	18,000	39,200	1	Carrier, model: 42VFS012W-10	Floor/Ceiling	44/54 °F	7.84
Document room 2	18,000	39,200	1	Carrier, model: 42VFS012W-10	Floor/Ceiling	44/54 °F	7.84
2 Examination rooms	12,000	14,400	2	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
Introduction room	12,000	14,400	1	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
6 Nurse rooms	12,000	14,400	6	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
Nurse Case room	12,000*2	14,400	1	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
Physician room	12,000*2	39,200	1	Carrier, model: 42VFS012W-10	Floor/Ceiling	44/54 °F	7.84
QA/QC room	12,000	14,400	1	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
Reception room	12,000	14,400	1	Carrier, model: 42VFS004W	Floor/Ceiling	44/54 °F	2.88
Waiting room	54,000	54,900	1	Carrier, model: 42VFS016W	Floor/Ceiling	44/54 °F	10.98

Remark: ** Cooling capacity based on: Entering Air Temp 80 °Fdb / 67 °Fwb, Chilled Water Inlet/outlet 44/54 °F, Max air flowrate

Question 5: Does replacing the FCU require replacing the assembly equipment and electrical system as well? If changing, please specify the brand of the device. (such as a gate valve, 2 way ON/OFF valve and room thermostat, Y-Stanier, drain pump, steel pipe, drain pipe, power cable and CB etc.)

All necessary equipment shall be replaced with new ones. There's no specific brand but all equipment and material must be met with the standard requirements of the engineering system for the system operation.

Question 6: Can the vendor use the existing steel hanging for FCU?

There's no steel hanging for FCU because this is the Chilled-water system