*Please fill in this form as an attachment for

APPLICATION FORM (A2)		
CHILLER NO:	1	(Please fill-up different documents if more than 1 unit chiller)

(July2025 Version2)

TECHNICAL DATA CHILLER WORKSHEET

Existing chiller	Date & Time (data collection): **1/9/2025 & 10:00 am**	Operational: Yes | ~~No~~
New chiller	Date & Time (data collection): **2/9/2025 & 8:00 am**	

CHILLER SYSTEM

No.	Description	Existing Chiller	New Chiller	Remarks
1	Brands	Carrier	York	Write the brand name as shown on the chiller unit or technical datasheet.
2	Model No.	19XL5050448CP	YKSERCJ40DGC	Refer to the model number printed on the nameplate or technical datasheet.
3	Tonnage x No	90 RT	120 RT	Indicate the cooling capacity (RT) and number of units. Example: 250RT x 2.
4	Total Tonnage of system	Total System= 300 RT 1 x 100 RT (Duty) 1 x 200 RT (Standby)	Total System= 320 RT 1 x 120 RT (Duty) 1 x 200 RT (Standby)	Please ensure the total system tonnage, including backup capacity, is clearly stated. For example: Total System 400RT = 1 x 250RT (main) 1 x 150RT (standby)
5	Country of Manufacture	China	USA	State the country where the chiller was manufactured (not purchased).
6	Year installed (i) or manufactured (m)	1999 (i)	2025 (i) 2023 (m)	Use (i) for installation year and (m) for manufacturing year. Example: 2020 (i), 2019 (m).

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7	**Refrigerant Used**	R1234ze	R134a	Mention the refrigerant type (e.g., R-134a, R-1234ze). Refer to technical datasheet.
8	**Compressor type**	Centrifugal	Magnetic Bearing	Specify type: screw, scroll, centrifugal, magnetic bearing, etc.
9	**Chiller running amps.**	160 A	130 A	Provide actual measured amps during normal operation. Use latest readings.
10	**Chiller FLA**	180 A	150 A	Full Load Amps as stated on the nameplate.
11	**Chiller kW at full load as per Chiller nameplate**	150 kW	130 kW	Refer to the rated power consumption at full load from the nameplate.
12	**Chiller Peak Load**	90 RT	120 RT	Attach graph showing peak load usage over time.
13	**Chiller Load Profile**	Graph attached		Attach daily or weekly load profile graph. Use actual operational data.
14	**Chiller COP (kW/RT)**	0.75	0.55	**New chiller COP must comply with MS1525:2019 standard. Please refer PROGRAM NUR REBATE ENERGY EFFICIENT COOLING SYSTEM Guide under section 5.1**
15	**Chiller chilled water temp. in/out °F**	55 °F / 45 °F	55 °F / 45 °F	Measure and record inlet and outlet temperatures.

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16	**Chiller condenser water temp. in/out °F**	**85 °F / 95 °F**	**85 °F / 95 °F**	**Measure and record inlet and outlet temperatures.**
17	**Chiller chilled water flowrate (usgpm)**	**500**	**-**	**Use flowmeter or system data. If there is no installed equipment to monitor chiller performance data, external measuring instruments were used to obtain the required readings.**
18	**Chiller condenser water flowrate (usgpm)**	**650**	**-**	**Use flowmeter or system data. If there is no installed equipment to monitor chiller performance data, external measuring instruments were used to obtain the required readings.**

Items 17 & 18 for existing chiller only. Please explain if it is not available. All data must be submitted for new chiller.

Remarks:

*Note: For more details, please refer PROGRAM NUR@PETRA: REBATE FOR ENERGY EFFICIENT COOLING SYSTEM Guide at www.seda.gov.my/nur-chiller

*Note: Kindly use Calibri font, size 14 for all details.

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