

**Scheme for Wider Use of Fresh Water in**  
**Evaporative Cooling Towers for Energy-efficient Air Conditioning Systems**  
**Application of Participation (Preliminary Assessment)**

**To :** Director of Electrical and Mechanical Services

**Part A :** (To be completed by the Designer of the installation(s))

General details:

Building name : \_\_\_\_\_

Building address : \_\_\_\_\_

Building type: \* Commercial / Educational / Government / Hospital & Healthcare / Hotel / Logistics /  
Public Transport / Public Utilities / Industrial / Science & Technology Estate /

Other (please state) \_\_\_\_\_ (the scheme is only for non-domestic buildings)

Quantity of cooling towers

\*installed/to be installed: \_\_\_\_\_

Gross floor area served by the air conditioning installation under this application: \_\_\_\_\_ m<sup>2</sup>

Air conditioning system:

System status: \*New / Replacement

In case of replacement, the existing heat rejection is dissipated through: \*Air-cooled Condenser (incl. Air-cooled radiator) / Fresh Water Cooling Tower / Seawater Cooling Tower / Pumped Sea-water Once-through  
Other (please state) \_\_\_\_\_

Cooling capacity: \_\_\_\_\_ kW Heat rejection capacity: \_\_\_\_\_ kW

Estimated peak daily make-up water demand by cooling tower(s): \_\_\_\_\_ m<sup>3</sup>

Cooling tower installed location:

Installed location: \*Roof / Podium / Indoor / Other (please state) \_\_\_\_\_

Any air intake / exhaust of vital importance<sup>1</sup> or operable window nearest to cooling tower(s): \*Yes / No

▶ If yes, Outdoor air intake Direct separation: \_\_\_\_\_ m Horizontal separation: \_\_\_\_\_ m

▶ If yes, Exhaust air outlet Direct separation: \_\_\_\_\_ m Horizontal separation: \_\_\_\_\_ m

▶ If yes, Operable window Direct separation: \_\_\_\_\_ m Horizontal separation: \_\_\_\_\_ m

Any areas of public access or pedestrian thoroughfares near cooling tower exhaust: \*Yes / No

▶ If yes, Areas of public access Direct separation: \_\_\_\_\_ m Horizontal separation: \_\_\_\_\_ m

▶ If yes, Pedestrian thoroughfares Direct separation: \_\_\_\_\_ m Horizontal separation: \_\_\_\_\_ m

Noise emitted from cooling tower installation(s):

<sup>1</sup> Outdoor air intake of vital importance refers to fresh air intakes of the building air conditioning systems (e.g. PAU, AHU, lift vent) or any air intake that draws fresh air into the building. Exhaust air outlet of vital importance refers to kitchen exhaust, toilet exhaust, carpark exhaust or any exhaust outlet of which the emitted air can contaminate the cooling water or pollute the cooling air.

\* delete as appropriate



**Part B :** (To be completed by the owner of the installation(s))

I, \_\_\_\_\_, the owner of the cooling tower installation(s), wish to apply for the use of fresh water for the cooling tower(s) under the Scheme, and I fully understand the conditions and obligations of participation. I also confirm that the building(s) / premises that participate in the scheme is / are of non-domestic type.

Signature of the Owner or His Representative: _____	Date: _____
Full Name of the Owner or His Representative: _____	Company Chop:
Company: _____	
Tel No.: _____ Fax No.: _____	
Correspondence Address: _____	

**Part C :** (to be completed by EMSD)

File Ref.: EEO/WC/13/01/ \_\_\_\_\_  
Cooling Tower Registration. No.: PS- \_\_\_\_\_  
Applicant Ref. No.: \_\_\_\_\_

**To : Director of Water Supplies (Attn: SE/CS(HK/K/NT\*))**

c.c : Director of Buildings (Attn: SBS/D3)

- I support the application submitted by \_\_\_\_\_ to use fresh water for the cooling tower installation(s) under the Scheme at (address of premises) \_\_\_\_\_, having checked the details contained in Form EMSD EE CT1A and the associated plans / drawings.
- I do not support the application submitted by \_\_\_\_\_ to use fresh water for the cooling tower installation(s) under the Scheme at (address of premises) \_\_\_\_\_, because \_\_\_\_\_.

\_\_\_\_\_  
( )  
for Director of Electrical and Mechanical Services  
Post: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Date: \_\_\_\_\_