

附表1

CDC第1版

緊急發電設備輸出計算表

中華民國 110/01/27

| 特 性 等 |                                                                                                      | 白備發電設備                                                                             |  |
|-------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
| (1)   | 對象負載機器<br>如附表2-1                                                                                     | (1) 種類<br>備載 (火災停電)                                                                |  |
| (2)   | 發電機 特性<br>$xd'g = 0.2$<br>$\Delta E = 0.2$<br>$KG_3 = 1.5$<br>$KG_4 = 0.15$<br>$\eta g / Cp = 0.831$ | (2) 型式編號<br>* 1台                                                                   |  |
| (3)   | 引擎 特性<br>$\alpha = 0.25$<br>$\varepsilon = 1.00$<br>$\gamma = 1.00$                                  | (3) 發電機輸出<br>額定輸出量 125 KVA 極數 4 極<br>額定電壓 380 V 額定回轉數 1800 r.p.m.<br>額定功因 0.8 (註：) |  |
| (4)   | 負載機器<br>$D = 1.00$<br>$d = 1.00$                                                                     | (4) 原動機輸出<br>原動機之種類 柴油引擎<br>額定輸出量 175 ps 額定回轉數 1800 r.p.m.<br>使用燃料 高級柴油 整合率 1.101  |  |
|       |                                                                                                      | 簽 電機技師姓名 林政樑                                                                       |  |
|       |                                                                                                      | 執業執照號碼 技執字第008100號 內政部許可文號 A34250                                                  |  |
|       |                                                                                                      | 證 事務所名稱 棧鼎工程顧問有限公司                                                                 |  |
|       |                                                                                                      | 事務所地址 台北市仁愛路四段27巷10號4樓                                                             |  |
|       |                                                                                                      | 者 事務所電話 (02)27775448 事務所傳真 (02)27775028                                            |  |

註明：公制 PS = 736 瓦特，英制 PS = 746 瓦特。

附表2-1(一)

CDC第1版

| 緊急發電設備輸出計算表 (負載表) |      |    |                                    |                    |       |                 |                      |                      |                 | 香山綜合休閒運動館新建工程          |                         |                 |                           |                 |                           |                 |                           |                       |                 |                               |     |
|-------------------|------|----|------------------------------------|--------------------|-------|-----------------|----------------------|----------------------|-----------------|------------------------|-------------------------|-----------------|---------------------------|-----------------|---------------------------|-----------------|---------------------------|-----------------------|-----------------|-------------------------------|-----|
| 序<br>號            | 負載名稱 | 台數 | 必要裝置<br>之輸入式<br>輸出(HP)<br>(KW,KVA) | 輸出<br>量 mi<br>(KW) | 備註    | M2之電壓           |                      |                      | M3之電壓           |                        |                         | M2之電壓           |                           |                 | M3之電壓                     |                 |                           | 發生率<br>消滅率<br>或 R(kw) | 不平衡負載<br>(kw)   |                               |     |
|                   |      |    |                                    |                    |       | 10<br>ks<br>z/m | 11<br>○<br>vc<br>z/m | 12<br>○<br>mi<br>z/m | 13<br>ks<br>z/m | 14<br>○<br>1.47<br>z/m | 15<br>○<br>1.47)<br>z/m | 16<br>ks<br>z/m | 17<br>○<br>cos θ s<br>z/m | 18<br>ks<br>z/m | 19<br>○<br>cos θ s<br>z/m | 20<br>ks<br>z/m | 21<br>○<br>cos θ s<br>z/m |                       | 22<br>ks<br>z/m | 23<br>○<br>cos θ s-1mi<br>z/m | R-S |
| 1                 | 消防泵浦 | 1  | 10                                 | 0.75               | 7.5   | Y               | 4.76                 | 35.70                | 4.76            | 3.29                   | 24.68                   | 2.86            | 21.42                     | 2.86            | 1.86                      | 13.92           |                           |                       |                 |                               |     |
| 2                 | 消防泵浦 | 1  | 10                                 | 0.75               | 7.5   | Y               | 4.76                 | 35.70                | 4.76            | 3.29                   | 24.68                   | 2.86            | 21.42                     | 2.86            | 1.86                      | 13.92           |                           |                       |                 |                               |     |
| 3                 | 消防接門 | 2  | 1                                  | 0.75               | 0.75  | Y               | 4.76                 | 3.57                 | 4.76            | 3.29                   | 2.47                    | 3.33            | 2.50                      | 3.33            | 2.33                      | 1.75            |                           |                       |                 |                               |     |
| 4                 | 消防接門 | 3  | 1.5                                | 0.75               | 1.125 | Y               | 4.76                 | 5.36                 | 4.76            | 3.29                   | 3.70                    | 3.33            | 3.75                      | 3.33            | 2.33                      | 2.62            |                           |                       |                 |                               |     |
| 5                 | 抽水機浦 | 2  | 5                                  | 0.75               | 3.75  | Y               | 4.76                 | 17.85                | 4.76            | 3.29                   | 12.34                   | 3.33            | 12.50                     | 3.33            | 2.33                      | 8.75            |                           |                       |                 |                               |     |
| 6                 | 抽水機浦 | 1  | 1                                  | 0.75               | 0.75  | Y               | 4.76                 | 3.57                 | 4.76            | 3.29                   | 2.47                    | 3.33            | 2.50                      | 3.33            | 2.33                      | 1.75            |                           |                       |                 |                               |     |
| 7                 | 抽水機浦 | 1  | 4                                  | 0.75               | 3     | Y               | 4.76                 | 14.28                | 4.76            | 3.29                   | 9.87                    | 3.33            | 10.00                     | 3.33            | 2.33                      | 7.00            |                           |                       |                 |                               |     |
| 8                 | 抽水機浦 | 1  | 6                                  | 0.75               | 4.5   | Y               | 4.76                 | 21.42                | 4.76            | 3.29                   | 14.81                   | 3.33            | 14.99                     | 3.33            | 2.33                      | 10.49           |                           |                       |                 |                               |     |
| 9                 | 電梯   | 1  | 10                                 | 0.75               | 7.5   | ELV             | 0.00                 | 0.00                 | 2.94            | 1.47                   | 11.03                   | 0.00            | 0.00                      | 2.40            | 1.40                      | 10.50           |                           |                       |                 |                               |     |
| 10                | 消防主機 | 1  | 1                                  | 1                  | 1     | CV              | 1.00                 | 1.00                 | 3.33            | 1.86                   | 1.86                    | 0.40            | 0.40                      | 1.33            | 0.33                      | 0.33            |                           |                       |                 |                               |     |
|                   |      |    |                                    |                    |       |                 |                      |                      |                 |                        |                         |                 |                           |                 |                           |                 |                           |                       |                 |                               |     |
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