

**WIND SPEED DATA (MALAYSIA)**

1. **INTRODUCTION**

The GreenRE Wind Speed Data was summarized based on data taken form Meteorological department.

This data was intent to be used in conjunction with the ventilation simulation guideline Appendix B for project in Malaysia. For the project outside of Malaysia, data from respective country to be used.

1. **WIND DATA**

***Station: Petaling Jaya***

***Elevation: 58.6 m***

***Region: Central (Perak, Selangor, Kuala Lumpur & Negeri Sembilan)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **SE** | 1.5 |
| **S** | 1.3 |
| **SW** | 1.8 |
| **NW** | 1.2 |

***Station: Butterworth***

***Elevation: 3.33 m***

***Region: Northern Malaysia (Pulau Pinang, Kedah & Perlis)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **N** | 2.1 |
| **S** | 2.4 |
| **SW** | 2.9 |
| **NW** | 3.4 |

***Station: Kota Kinabalu***

***Elevation :2.14 m***

***Region: Sabah***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **N** | 2.3 |
| **S** | 3.1 |
| **SW** | 3.1 |
| **NW** | 2 |

***Station: Senai***

***Elevation: 37.8m***

***Region: Southern (Melaka & Johor)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed**  **(m/s)** |
| **NE** | 2.2 |
| **SE** | 2.1 |
| **S** | 2.4 |
| **SW** | 2.1 |

***Station: Kuantan***

***Elevation: 15.23 m***

***Region: East Coast (Pahang, Terengganu & Kelantan)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **N** | 1.6 |
| **NE** | 2.1 |
| **S** | 2.1 |
| **SW** | 2.4 |

***Station: Kuching***

***Elevation: 20.86m***

***Region: Sarawak (Western)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **N** | 2.7 |
| **NE** | 2.2 |
| **SE** | 1.7 |
| **NW** | 2.4 |

***Station: Miri***

***Elevation: 17.0m***

***Region: Sarawak (Eastern)***

|  |  |
| --- | --- |
| **Direction** | **Mean Speed (m/s)** |
| **N** | 2.5 |
| **SE** | 1.8 |
| **SW** | 2.6 |
| **NW** | 2.9 |