

Qualifications and Practical Experience Required for Approved Persons & Technical Controllers

Under Second Schedule of Building Control (Licensing Of Builders) Regulations 2008

Part I: Approved Persons

| <i>Class of Licence</i> | <i>Course</i> | <i>Practical Experience</i> |
|--------------------------------------|--|--|
| 1. Class 1 general builder's licence | A course leading to a Bachelor's degree or post-graduate degree in any field. | At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column. |
| | or | |
| | A course leading to a diploma in a construction-related field. | At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column. |
| | or | |
| | A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders". | At least 10 years (in aggregate) of practical experience in the execution of construction projects in Singapore. |

| <i>Class of Licence</i> | <i>Course</i> | <i>Practical Experience</i> |
|--------------------------------------|--|--|
| 2. Class 2 general builder's licence | <p>A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in any field.</p> <p style="text-align: center;">or</p> <p>A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders".</p> | <p>At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.</p> <p>At least 8 years (in aggregate) of practical experience in the execution of construction projects in Singapore.</p> |

| <i>Class of Licence</i> | <i>Course</i> | <i>Practical Experience</i> |
|--|--|--|
| 3. Specialist builder's licence for a class of specialist building works | <p>A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in any field.</p> <p style="text-align: center;">or</p> <p>A course conducted by the Building and Construction Authority known as "Essential Knowledge in Construction Regulations and Management for Licensed Builders".</p> | <p>At least 3 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column.</p> <p>At least 8 years (in aggregate) of practical experience in the execution of construction projects in Singapore.</p> |

Part II: Technical Controllers

| <i>Class of Licence</i> | <i>Course</i> | <i>Practical Experience</i> |
|--------------------------------------|--|--|
| 1. Class 1 general builder's licence | A course leading to a Bachelor's degree or post-graduate degree in a construction-related field. | At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column. |
| 2. Class 2 general builder's licence | A course leading to a diploma in a construction-related field, or a Bachelor's degree or post-graduate degree in a construction-related field. | At least 5 years (in aggregate) of practical experience in the execution of construction projects (whether in Singapore or elsewhere) after attaining the qualifications in the second column. |

| <i>Class of Licence</i> | <i>Course</i> | <i>Practical Experience</i> |
|--|--|--|
| 3. Specialist builder's licence for a class of specialist building works | A course leading to a Bachelor's degree or post-graduate degree in the field of civil or structural engineering from a recognised institution. | At least 5 years (in aggregate) of practical experience in the execution of specialist building works of that class (whether in Singapore or elsewhere) after attaining the qualifications in the second column. |

Note:

"construction-related field" means the field of architecture, civil or structural engineering, mechanical or electrical engineering, construction or project management, quantity surveying or building science, facilities or estate management;

"recognised institution" means

- (a) the National University of Singapore;
- (b) the Nanyang Technological University; or
- (c) any other university that is specified by the Commissioner in the Authority's Internet website <http://www.bca.gov.sg>. (see Part III on next page)

Part III: List of recognised institutions for TC of Specialist Builders

Any person to be appointed as Technical Controller should possess a civil or structural engineering degree or postgraduate master's degree from one of the following recognised institutions.

- a) Any institution **recognised by the Professional Engineers Board** for registration as a professional engineer under the Professional Engineers Act in the civil or structural engineering discipline. For detailed listing of recognised institutions under PE Board, please visit the following URL:
[https://www.peb.gov.sg/Downloads/PE%20\(Appealed%20Qualifications\)%20Notification%202009.pdf](https://www.peb.gov.sg/Downloads/PE%20(Appealed%20Qualifications)%20Notification%202009.pdf)
- b) Any institution accepted for application as a **Resident Engineer**. For detailed listing of recognised institutions acceptable for application as a Resident Engineer, please refer to the list below or visit the following URL:
http://www.bca.gov.sg/StructuralPlan/others/List_of_universities_for_RE.pdf

For the purposes of item (b), the summary list of accepted university is as shown below.

(i) China

| | | |
|----------------------------|---|--------------------|
| People's Republic of China | 1. Beijing Jiaotong University (Northern Jiaotong University) | 北京交通大学 (北方交通大学) |
| | 2. Central South University | 中南大学 |
| | 3. Chang'an University | 长安大学 |
| | 4. China University of Mining & Technology | 中国矿业大学 |
| | 5. Chongqing University | 重庆大学 |
| | 6. Dalian University of Technology | 大连理工大学 |
| | 7. Fuzhou University | 福州大学 |
| | 8. Harbin Institute of Technology | 哈尔滨工业大学 |
| | 9. Hohai University | 河海大学 |
| | 10. Huazhong University of Science and Technology | 华中科技大学 |
| | 11. Hunan University | 湖南大学 |
| | 12. Shanghai Jiao Tong University | 上海交通大学 |

| | | |
|--|--|--------|
| | 13. South China University of Technology | 华南理工大学 |
| | 14. Southeast University | 东南大学 |
| | 15. Southwest Jiaotong University | 西南交通大学 |
| | 16. Tianjin University | 天津大学 |
| | 17. Tongji University | 同济大学 |
| | 18. Tsinghua University | 清华大学 |
| | 19. Zhejiang University | 浙江大学 |
| | 20. Wuhan University | 武汉大学 |

(ii) India

| | |
|-------|---|
| India | 1. Birla Institute of Technology & Science, Pilani |
| | 2. College of Engineering, Anna University, Guindy |
| | 3. Delhi College of Engineering, New Delhi |
| | 4. Indian Institute of Technology Bombay |
| | 5. Indian Institute of Technology Delhi |
| | 6. Indian Institute of Technology Guwahati |
| | 7. Indian Institute of Technology Kanpur |
| | 8. Indian Institute of Technology Kharagpur |
| | 9. Indian Institute of Technology Madras |
| | 10. Indian Institute of Technology Roorkee |
| | 11. Institute of Technology, Banaras Hindu University, Varanasi |
| | 12. Jadavpur University, Kolkata |

| |
|--|
| 13. Motilal Nehru National Institute of Technology, Allahabad |
| 14. National Institute of Technology, Kurukshetra |
| 15. National Institute of Technology, Rourkela |
| 16. National Institute of Technology Karnataka, Surathkal |
| 17. National Institute of Technology, Tiruchirappalli |
| 18. National Institute of Technology, Warangal |
| 19. Punjab Engineering College, Chandigarh |
| 20. Thapar University, Patiala (formerly known as Thapar Institute of Engineering and Technology) |

(iii) Spain

| | |
|-------|---|
| Spain | 1. Universitat Politecnica de Catalunya |
| | 2. Universitat Politecnica de Valencia |
| | 3. Universitat Politecnica de Madrid |
| | 4. Universitat de Cantabria |
| | 5. Universitat Alfonso X el Sabio |

(iv) Italy

| | |
|-------|-------------------------------------|
| Italy | 1. Politecnico di Milano |
| | 2. Politecnico di Torino |
| | 3. Sapienza Universita di Roma |
| | 4. Universita di Bologna |
| | 5. Universita Degli Studi di Padova |

(v) Hong Kong

| | |
|---|---|
| Hong Kong Special Administrative Region, People's Republic of China | 1. City University of Hong Kong |
| | 2. The Chinese University of Hong Kong |
| | 3. The Hong Kong Polytechnic University |
| | 4. The Hong Kong University of Science and Technology |
| | 5. The University of Hong Kong |

(vi) Malaysia

| | |
|----------|---|
| Malaysia | 1. Universiti Kebangsaan Malaysia (UKM) |
| | 2. Universiti Malaya (UM) |
| | 3. Universiti Putra Malaysia (UPM) |
| | 4. Universiti Sains Malaysia (USM) Nibong Tebal P. Pinang |
| | 5. Universiti Teknologi Malaysia (UTM) |