

## SPECIFIC REGISTRATION REQUIREMENTS FOR CONSTRUCTION-RELATED WORKHEAD (CR)

Workhead	Title	Description
CR01	Minor Construction Works	Minor building and civil engineering works that are not governed by the Building Control Act such as drainage, minor road works, aprons and minor A & A.
CR02	Corrosion Protection	Corrosion protection work on metal surfaces and structures. Includes processes such as cathodic, anodic, and electrolytic protection.
CR03	Demolition	This head covers all general demolition works. Since no financial grade is given to this registration head, applicants must meet the L1 requirements and complete at least ONE demolition project as a prerequisite for registration.
CR04	Fencing & Ironworks	Erection of perimeter fences and gates.
CR05	Concrete Repairs	This head covers the reinforcement of structures and joints through the use of cement-sand-mortar mix or the injection of slurry into joints and cracks in concrete structures and the application of spraying of cement-sand mortar onto surfaces of reinforced concrete works.
CR06	Interior Decoration, & Finishing Works	Interior design, planning and the decoration of buildings. This includes ceiling panels, partitions, built-in fitments, raised floor works, plastering and tiling.
CR07	Cable/Pipe Laying & Road Reinstatement	Installation of underground cables/pipes and the subsequent reinstatement of roads and other surfaces including detection of underground services. Firms specializing in supplying the cables should register under SY05. Firms specialized in supplying pipes should register under SY12.
CR08	Piling Works	Installation and testing of precast reinforced concrete or prestressed concrete piles, steel piles, bored cast-in-place piles, caissons and special types like micro-piles, barettes piles and composite piles, embedded retaining wall piles like diaphragm walls, contiguous bored piles or secant piles. Applicants applying for L6 must own at least 4 piling rigs and executed a piling project of at least \$3million on its own. Applicants are required to obtain the <b>Specialist Builder Piling Works Licence SB(PW)</b> .
CR09	Repairs & Redecoration	Repainting and minor non-structural repair of buildings and existing structures. These works should not include addition & alteration works involving structural changes.
CR10A	Automated Precast Concrete Production	Production of precast concrete components from automated plants accredited with <b>Singapore Concrete Institute Precaster Accreditation Scheme (PAS) PC1A</b> .  Applicants are required to obtain the <b>Specialist Builder Precast Concrete Work Licence SB(PC)</b>
CR10B	Precast Concrete Production	Production of precast concrete components from the applicant’s precast concrete production plant (excluding any precast concrete work within a construction site).  Firms involving post-tensioning works may register under CW01, CW02 or CR01  Installers of precast concrete components not involved in precast concrete production should apply for TR05 (Precast Installation)  Applicants are required to obtain the <b>Specialist Builder Precast Concrete Work Licence SB(PC)</b>

**CONSTRUCTION-RELATED WORKHEAD (CR)**

Workhead	Title	Description
CR11	Signcraft Installation	Planning and installation of an integrated signposting system for complexes, airports, shopping centers. It includes the setting up of exhibition stands and signs along roads.
CR12	Ground Support & Stabilisation Works	Ground support and stabilisation works, including installation and testing of ground anchors, soil nails, rock bolts, ground treatment like chemical grouting and jet-grouting, reinforced-earth, shotcreting and tunnel supports. Applicants are required to obtain a license in <b>Specialist Builder Ground Support Works and Stabilization Works SB(GS)</b>
CR13	Waterproofing Installation	Waterproofing of basements, roofs and walls. Firms which undertake only roofing works should register under CW01.
CR14	Asphalt Works & Road Marking	Supply and laying of asphalt, marking and painting of roads. Applicants providing asphalt works are expected to have asphalt plant, vibratory roller and bituminous pavers.
CR15	Site Investigation, Instrumentation and Monitoring Works	Site investigation works comprising field investigations, exploratory drilling or boring, logging, sampling, coring, in-situ plate-loading tests, pressure meter tests, penetration tests, vane shear tests, probing tests, permeability tests, geological mapping and geophysical surveys. Instrumentation and monitoring works comprising the installation and monitoring of instruments measuring forces, deformation, displacements, tilt, convergence, pore and earth pressures or ground-water levels. Applicants are required to obtain a license in Specialist Builder (Instrumentation and Monitoring Work) - SB(I&M).
CR16	Curtain Walls	Supply and installation of curtain walls and all types of aluminium and glazing works.
CR17	Windows	Supply and installation of windows. Applicants are required to obtain the <b>Regulatory Workhead, RW01</b> .
CR18	Doors	Supply and installation of doors and ironmongery.

## Notes for Table B1

Financial

- 1) Both minimum paid-up capital and minimum net worth must be met separately. All L1 and single grade firms (except for CR10A) are required to submit the latest management accounts (not more than 12 months old). The minimum paid-up capital for CR08-L1, CR10B-L1, CR12-L1 and CR15 is \$25,000. The minimum paid-up capital for CR10A is \$2m.
- 2) L6 firms are required to submit the audited accounts annually (not more than 4 months for SGX listed companies and not more than 6 months for non-SGX listed companies from the accounts closing date) and meet the financial requirement in order to retain the L6 grade. CR10A firms are required to submit audited accounts annually.
- 3) For CR08, CR10B and CR12, grade L4 to L6 and CR10A to complete and submit Annual Return of the Construction Industry conducted by BCA's Economics Research Department.
- 4) For CR10B grade L2 to L6, the applicant may use the net worth of its group's audited accounts (not more than 12 months old) to meet the minimum net worth requirement for respective grade.

Track Record

- 5) Completed projects in the past three years for all cases. Ongoing projects are acceptable for renewal, L1 and Single Grade.
- 6) Contractors are expected to complete:
  - i) PS - minimum projects executed in Singapore
  - ii) MC - minimum main contracts (nominated sub-contracts may be included)
  - iii) SP - minimum size single main contract or sub-contract.
- 7) New companies require \$100,000 track record in the past three years for L1 except for CR03(one track record of any amount)
- 8) For CR10B track record will only be considered for the applicant's supply of PC components from its own plant from 1 Jan 2021.
- 9) For CR10A and CR10B, to complete and submit Annual Precast Survey conducted by BCA's Construction Productivity and Quality Group.

Personnel

- 10) Please refer to definition of RP/P/T/CCPP/SDCP/ACCP/BCCPE/CET in Table B2.
- 11) The personnel with SDCP qualifications can be one of the RP/P nominated.

Management & Development

- 12) ISO45001 or BizSAFE Level 3 issued by WSHC (<https://www.wshc.sg/bizSAFE>).
- 13) **CR10A** require BizSAFE Star or ISO45001 and SCI Precaster Accreditation Scheme PC1A

Others

- 14) The tendering limit for single grade is unlimited. For other tendering limits, please refer to [www1.bca.gov.sg/procurement/pre-tender-stage/contractors-registration-system-crs/crs-tendering-limits](http://www1.bca.gov.sg/procurement/pre-tender-stage/contractors-registration-system-crs/crs-tendering-limits)
- 15) **CR08, CR10A, CR10B, CR12** and **CR15** require relevant Specialist Builders Licence (see Table B2 for more details). For more details, please refer to <https://www1.bca.gov.sg/regulatory-info/building-control/builder-licensing>
- 16) CR17 require additional valid registration under Regulatory Workhead **RW01**

**TABLE B1**
**REGISTRATION REQUIREMENTS**

Grade (Note 14)	Financial (Note 1-4)	Track Record (past 3 years) (Notes 5-9)	Personnel (Note 10-11) Management & Development (Note 12-13)			Additional Requirements (Note 15-16)
			CR05	CR08, CR10B, CR12	Others	
L6	\$1.5m	\$30.0m of which * \$7.5m PS * \$3.0m MC * \$3.0m SP	2P, both with at least 5 years of relevant experience of which * 1P with SDCP	1RP + 1P, both with at least 5 years of relevant experience of which * 1RP/P/T with SDCP  BizSAFE Level 3 / ISO45001	2P, both with at least 5 years of relevant experience of which * 1 SDCP * 1 BCCPE (CR14)	CR08, CR10B, CR12 require SB License
L5	\$500,000	\$10.0m of which * \$1.0m SP	2P of which * 1P with at least 5 years of relevant experience * 1P with BCCPE	1RP with at least 5 years of relevant experience + 1P of which * 1RP/P with BCCPE  BizSAFE Level 3 / ISO45001	1P or 2T, one with at least 8 years of relevant experience of which * 1 BCCPE	CR08, CR10B, CR12 require SB License
L4	\$250,000	\$5.0m of which * \$500,000 SP	2P of which * 1P with at least 3 years of relevant experience * 1P with BCCPE	1RP with at least 5 years of relevant experience + 1P of which * 1RP/P with BCCPE  BizSAFE Level 3 / ISO45001	2T, one with at least 5 years of relevant experience of which * 1 BCCPE	CR08, CR10B, CR12 require SB License
L3	\$150,000	\$3.0m	1P + 1T of which * 1P/T with BCCPE	1RP with at least 5 years of relevant experience + 1P of which * 1RP/P with BCCPE  BizSAFE Level 3 / ISO45001	2T of which * 1 BCCPE	CR08, CR10B, CR12 require SB License
L2	\$50,000	\$1.0m	1T with 3 years of relevant experience and BCCPE	1RP with at least 5 years of relevant experience and BCCPE  BizSAFE Level 3 / ISO45001	1T with 3 years of relevant experience with BCCPE	CR08, CR10B, CR12 require SB License
L1	\$10,000	\$100,000	1T with BCCPE	1RP with at least 5 years of relevant experience and BCCPE	1T with BCCPE	CR08, CR10B, CR12 require SB License

m stands for million, min stands for minimum

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Grade (Note 14)	Financial (Note 1-4)	Track Record (past 3 years) (Notes 5-9)	Personnel (Note 10-11) Management & Development (Note 12-13)			Additional Requirements (Note 15-16)
			CR10A	CR15	Others	
Single grade CR01 CR03 CR10A CR15 CR17 CR18	\$10,000  <u>CR10A</u> require \$2m paid-up capital	\$100,000  <u>CR03</u> Completed at least ONE demolition project.  <u>CR10A</u> Not applicable	3RP/P of which 1 RP and 1P with at least 5 years of relevant and 1 SDCP/CCPP	1RP with at least 5 years of relevant experience and BCCPE	1T with BCCPE	CR10A, CR15 require SB License  CR10A requires SCI Precaster Accreditation Scheme PC1A  CR17 requires RW01

m stands for million, min stands for minimum

**TABLE B2  
PERSONNEL QUALIFICATION & LICENCE**

Workhead	Title	Description, Personnel Qualifications and Licenses	
CR01	Minor Construction Works	<p><u>Personnel Qualification</u>                      “RP” shall mean a minimum Professional qualification with a degree in Civil/Structural Engineering recognized by                      PEB: <a href="#">PEB Approved Qualifications</a> or                      BCA: <a href="#">List of Acceptable Qualifications for RE Accreditation.pdf</a> .</p> <p>“P” shall mean a minimum Professional qualification with a recognised degree in Civil/Structural, Mechanical or Electrical Engineering, Architecture, Building or equivalent qualifications approved by BCA.</p> <p>“T” shall mean a minimum Technical qualification with a polytechnic diploma in Civil/Structural Mechanical, Electrical Engineering, Architecture, Building or equivalent awarded by BCA Academy, Nanyang Polytechnic, Ngee Ann Polytechnic, Republic Polytechnic, Singapore Polytechnic, Temasek Polytechnic or such other diplomas or qualifications as approved by BCA from time to time.</p> <p><u>Specialist Builders Licence</u>                      For more information on Specialist Builders License, please visit this link  <a href="https://www1.bca.gov.sg/regulatory-info/building-control/builder-licensing">https://www1.bca.gov.sg/regulatory-info/building-control/builder-licensing</a></p> <p>For CR08, applicants are required to obtain the Specialist Builder Piling Works Licence - SB(PW). Applicants applying for L6 must own at least 4 piling rigs</p> <p>For CR10A and CR10B, applicants are required to obtain the Specialist Builder Precast Concrete Work License - SB(PC).</p> <p>For CR12, applicants are required to obtain Specialist Builder Ground Support Works and Stabilization Works License - SB(GS).</p> <p>For CR15, applicants are required to obtain Specialist Builder Instrumentation and Monitoring Works Licence - SB(I&amp;M).</p> <p><u>Other Requirements</u>                      For CR17, applicants are required to obtain the regulatory workhead, RW01.</p> <p>“CCPP” Certified Construction Productivity Professional</p> <p>“SDCP” shall mean Specialist Diploma in Construction Productivity conducted by BCA Academy (for all L6 except CR14)</p> <p>“BCCPE” shall mean Basic Concept in Construction Productivity Enhancement (Certificate of Attendance) conducted by BCA Academy. A director with BCCPE (Certificate of Attendance) is acceptable for one company only (for L1-L5 including CR14-L6).</p>	
CR02	Corrosion Protection		
CR03	Demolition		
CR04	Fencing & Ironworks		
CR06	Interior Decoration, & Finishing Works		
CR07	Cable/Pipe laying & Road Reinstatement		
CR08	Piling Works		
CR09	Repairs & Redecoration		
CR10A	Automated Precast Concrete Production		
CR10B	Precast Concrete Production		
CR11	Signcraft Installation	<p>For CR12, applicants are required to obtain Specialist Builder Ground Support Works and Stabilization Works License - SB(GS).</p> <p>For CR15, applicants are required to obtain Specialist Builder Instrumentation and Monitoring Works Licence - SB(I&amp;M).</p> <p><u>Other Requirements</u>                      For CR17, applicants are required to obtain the regulatory workhead, RW01.</p> <p>“CCPP” Certified Construction Productivity Professional</p> <p>“SDCP” shall mean Specialist Diploma in Construction Productivity conducted by BCA Academy (for all L6 except CR14)</p> <p>“BCCPE” shall mean Basic Concept in Construction Productivity Enhancement (Certificate of Attendance) conducted by BCA Academy. A director with BCCPE (Certificate of Attendance) is acceptable for one company only (for L1-L5 including CR14-L6).</p>	
CR12	Ground Support & Stabilisation Works		
CR13	Waterproofing Installation		
CR14	Asphalt Works & Road Marking		
CR15	Site Investigation, Instrumentation and Monitoring Works		
CR16	Curtain Walls		
CR17	Windows		
CR18	Doors		
CR05	Concrete Repairs		<p>“P” shall mean a minimum Professional qualification with a recognised degree in Civil/Structural Engineering or equivalent qualifications approved by BCA.</p> <p>“T” shall mean a Technical qualification with a recognised diploma in Civil/Structural Engineering.</p>