

SPECIFIC REGISTRATION REQUIREMENTS
FOR
CONSTRUCTION RELATED WORKHEADS (CR)

JAN 2012 EDITION

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WORKHEAD CLASSIFICATION AND DESCRIPTION

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. 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 Specialist Builder Piling Works Licence - SB(PW) .
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.
CR10	Precast Concrete Works	Supply and installation of precast concrete products including slabs, panels and beams. Applicants are required to obtain the Specialist Builder Precast Concrete Work Licence - SB(PC)
CR11	Signcraft Installation	Planning and installation of an integrated signposting system for complexes, airports, shopping centres. 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 Specialist Builder Ground Support Works and Stabilization Works Licence - SB(GS)
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 are required to have asphalt plant, vibratory roller and bituminous pavers.

WORKHEAD CLASSIFICATION AND DESCRIPTION

Workhead	Title	Description
CR15	Site Investigation Works	Site investigation work 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, and installation and monitoring of instruments measuring forces, deformation, displacements, pore and earth pressures, and ground-water levels. Applicants are required to obtain Specialist Builder Site Investigation Work Licence - SB(SI) .
CR16	Curtain Walls,	Supply and installation of curtain walls.
CR17	Windows	Supply and installation of windows. Applicants are required to obtain the regulatory workhead, RW01 .
CR18	Doors	Supply and installation of doors and ironmongery.

**TABLE B1
REGISTRATION REQUIREMENTS**

Grade (see note 2)	Financial (Min Paid-Up Capital & Min Net Worth)	Management (see Table B2 for more details)			Track Record (past 3 years)	Additional Requirements
		CR05	CR08, CR10, CR12	Others		
L6	\$1.5m	2P, both with at least 5 years of relevant experience	1P + 1RP, both with at least 5 years of relevant experience SMC CR08 requires ISO 9001:2008 (SAC)	2P, both with at least 5 years of relevant experience	\$30.0m of which \$7.5m PS \$3.0m MC and \$3.0m SP	CR08, CR10 CR12 and CR15 require SB Licence (see Note 11 and Table B2) CR17 requires RW01 (see note 12 and Table B2)
L5	\$500,000	2P, one with at least 5 years of relevant experience	1P + 1RP with at least 5 years of relevant experience SMC CR08 requires ISO 9001:2008 (SAC)	1P or 2T, one with at least 8 years of relevant experience	\$10.0m of which \$1.0m SP	
L4	\$250,000	2P, one with at least 3 years of relevant experience	1T + 1RP with at least 5 years of relevant experience SMC	2T, one with at least 5 years of relevant experience	\$5.0m of which \$500,000 SP	
L3	\$150,000	1P + 1T	1T + 1RP with at least 5 years of relevant experience SMC	2T	\$3.0m	
L2	\$50,000	1T with 3 years of relevant experience	1RP with at least 5 years of relevant experience SMC	1T with 3 years of relevant experience	\$1.0m	
L1	\$10,000	1T	1RP with at least 5 years of relevant experience	1T	\$100,000 (see note 13)	
(Single grade) CR01 CR03 CR15 CR17 CR18	\$10,000		CR15 1RP with at least 5 years of relevant experience	1T	\$100,000 (see note 13) CR03 At least ONE completed demolition project.	

Note:

- 1) m stands for million, min stands for minimum
- 2) For the tendering limits, please refer to www.bca.gov.sg/ContractorsRegistry/contractors_tendering_limits.html
- 3) Both minimum (min) paid-up capital and minimum net worth must be met. All L1 firms including CR01, CR03, CR15, CR17 and CR18 are required to submit the latest management accounts (not more than 12 months old).
- 4) PS – projects executed in Singapore
- 5) MC – main contracts (nominated sub-contracts may be included)
- 6) SP – minimum size single project (main/sub-contract) executed entirely by the applicant
- 7) RP – Professional qualification recognized by PEB www.peb.gov.sg or BCA . (see Table B2 for more details).
- 8) P/T – Professional and Technical personnel with relevant qualifications (see Table B2 for more details).
- 9) ISO 9001:2008 required for CR08 L5 and L6 must be SAC accredited
- 10) SMC (Safety Management Certificate issued by BCA) or OHSAS18000 for **CR08, CR10** and **CR12** grade L2 and above.
- 11) **CR08, CR10, CR12** and **CR15** require relevant Specialist Builders Licence (see Table B2 for more details).
- 12) Regulatory workhead **RW01** for **CR17**. Window contractors must obtain **RW01**
- 13) The tendering limit for workheads with Single Grade is unlimited. No upgrading is required.
- 14) With effect from 1 Feb 2012, entry grade L1 and single grade will require completed or ongoing track record of \$100,000 for new, renewal and upgrading applications. For companies with insufficient track record, an interview with the technical personnel (conducted at BCA office) will be required. Please contact 1800 3425222 (press “2” after connecting) to arrange for an appointment for the interview before making applications.

TABLE B2
PERSONNEL QUALIFICATION & LICENCE

Workhead	Title	Personnel Qualifications and Licences
CR01	Minor Construction Works	<u>Personnel Qualification</u>
CR02	Corrosion Protection	<p>“RP” shall mean a minimum Professional qualification with a degree in Civil/Structural Engineering recognized by Professional Engineers Board (PEB) www.peb.gov.sg or equivalent qualifications approved by BCA http://dir.bca.gov.sg/bca/index.asp .</p> <p>“P” shall mean a minimum Professional qualification with a recognised degree in Architecture, Building, Civil/Structural Engineering or equivalent qualifications approved by BCA.</p> <p>“T” shall mean a minimum Technical qualification with a polytechnic diploma in Architecture, Building, Civil/Structural Engineering or a National Certificate in Construction Supervision (NCCS) or equivalent qualifications approved by BCA</p>
CR03	Demolition	
CR04	Fencing & Ironworks	
CR06	Interior Decoration, Doors & Finishing Works	
CR07	Cable/Pipe laying & Road Reinstatement	<p><u>Specialist Builders Licence</u></p> <p>For more information on Specialist Builders License, please visit this link http://www.bca.gov.sg/BuildersLicensing/builders_licensing.html</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 CR10, applicants are required to obtain the Specialist Builder Precast Concrete Work Licence - SB(PC).</p> <p>For CR12, applicants are required to obtain Specialist Builder Ground Support Works and Stabilization Works Licence - SB(GS).</p> <p>For CR15, applicants are required to obtain Specialist Builder Site Investigation Work Licence - SB(SI).</p> <p><u>Other Requirements</u></p> <p>For CR17, applicants are required to obtain the regulatory workhead, RW01.</p>
CR08	Piling Works	
CR09	Repairs & Redecoration	
CR10	Precast Concrete Works	
CR11	Signcraft Installation	
CR12	Ground Support & Stabilisation Works	
CR13	Waterproofing Installation	
CR14	Asphalt Works & Road Marking	
CR15	Site Investigation Works	
CR16	Curtain Walls	
CR17	Windows	
CR18	Doors	
CR05	Concrete Repairs	