

Our Ref : BCA BC 8.0.21

Building Engineering Division (#05-00)

Fax : 6325 7482

DID : 6325 7581

24 Oct 2013

See **Distribution List**

Dear Sir/Madam

BCA DESIGN AND ENGINEERING SAFETY EXCELLENCE AWARDS 2014

We are pleased to announce that the BCA's **Design and Engineering Safety Excellence Awards 2014** is now open for nomination.

2 Into the seventh year now, the Awards recognise Qualified Persons for Structural Works, his/her consultancy firm and other members in the project team for their efforts in overcoming various challenges to achieve safety and excellence in design and engineering works. It also aims to inculcate a strong safety culture among building professionals in developing our built environment.

3. We cordially invite all Qualified Persons for Structural Works to participate and nominate their projects for the Design and Engineering Safety Excellence Awards 2014. The closing date for nomination is **30 Dec 2013**.

4. A copy of the details and application form for the Awards are attached in the letter and the information is also available on the BCA website at <http://www.bca.gov.sg>. If you require any clarification, please contact Er. Ng Kay Beng (Tel: 63257581; E-mail: ng_kay_beng@bca.gov.sg).

5. I would appreciate it if you could bring to the attention of your members the contents of this circular. Thank you.

Yours faithfully



CHAN BEE BEE
CHAIRMAN
AWARD ORGANISING COMMITTEE
BUILDING AND CONSTRUCTION AUTHORITY

CIRCULAR DISTRIBUTION LIST

ASSOCIATIONS / SOCIETIES

PRESIDENT
INSTITUTION OF ENGINEERS, SINGAPORE (IES)
70, BUKIT TINGGI ROAD
SINGAPORE 289758
ies@iesnet.org.sg

PRESIDENT
ASSOCIATION OF CONSULTING ENGINEERS, SINGAPORE (ACES)
18 SIN MING LANE
#06-01 MIDVIEW CITY
SINGAPORE 573960
secretariat@aces.org.sg

PRESIDENT
SINGAPORE CONTRACTORS ASSOCIATION LIMITED (SCAL)
CONSTRUCTION HOUSE
1 BUKIT MERAH LANE 2
SINGAPORE 159760
enquiry@scal.com.sg

PRESIDENT
SINGAPORE INSTITUTE OF ARCHITECTS (SIA)
79 NEIL ROAD
SINGAPORE 088904
info@sia.org.sg

PRESIDENT
SOCIETY OF PROJECT MANAGERS (SPM)
MACPHERSON ROAD P.O.BOX 1083
SINGAPORE 913412
sprojm@yahoo.com

PRESIDENT
SINGAPORE INSTITUTE OF BUILDING LIMITED (SIBL)
70 PALMER ROAD,
#03-09C PALMER HOUSE
SINGAPORE 079427
josephine@sib.com.sg

PRESIDENT
REAL ESTATE DEVELOPERS' ASSOCIATION OF SINGAPORE (REDAS)
190 CLEMENCEAU AVENUE
#07-01 SINGAPORE SHOPPING CENTRE
SINGAPORE 239924
enquiry@redas.com

PRESIDENT
SINGAPORE INSTITUTE OF SURVEYORS & VALUERS (SISV)
110 MIDDLE ROAD #09-00
CHIAT HONG BUILDING
SINGAPORE 188968
sisv.info@sisv.org.sg

PRESIDENT
SINGAPORE STRUCTURAL STEEL SOCIETY (SSSS)
1 LIANG SEAH STREET
#02-11/12 LIANG SEAH PLACE
SINGAPORE 189022
secretariat@ssss.org.sg

PRESIDENT
GEOTECHNICAL SOCIETY OF SINGAPORE
C/O PROFESSIONAL ACTIVITIES CENTRE
NUS FACULTY OF ENGINEERING
9 ENGINEERING DRIVE 1
SINGAPORE 117576
geoss@nus.edu.sg

PRESIDENT
PROFESSIONAL ENGINEERS BOARD, SINGAPORE (PEB)
1ST STOREY, TOWER BLOCK, MND COMPLEX
5 MAXWELL ROAD
SINGAPORE 069110
registrar@peb.gov.sg

PRESIDENT
BOARD OF ARCHITECTS (BOA)
5 MAXWELL ROAD
1ST STOREY TOWER BLOCK
MND COMPLEX
SINGAPORE 069110
boarch@singnet.com.sg

DIRECTOR
PROTECTIVE INFRASTRUCTURE & ESTATE
DEFENCE SCIENCE & TECHNOLOGY AGENCY
1 DEPOT ROAD #03-01J
SINGAPORE 109679
lcheehio@dsta.gov.sg

DEPUTY DIRECTOR
PROJECT DEVELOPMENT & MAINTENANCE BRANCH
MINISTRY OF EDUCATION
1 NORTH BUONA VISTA DRIVE
OFFICE TOWER LEVEL 9
SINGAPORE 138675
eng_wee_tong@moe.gov.sg

DIRECTOR
BEST SOURCING DEPARTMENT
PUBLIC UTILITIES BOARD
40 SCOTTS ROAD #18-01
ENVIRONMENT BUILDING
SINGAPORE 228231
koh_boon_aik@pub.gov.sg

DEPUTY CHIEF EXECUTIVE
INFRASTRUCTURE & DEVELOPMENT
LAND TRANSPORT AUTHORITY
1 HAMPSHIRE ROAD
BLOCK 8 LEVEL 1
SINGAPORE 219428
chong_kheng_chua@lta.gov.sg

DEPUTY DIRECTOR
PROJECT DEVT & MGT SECT 1 (C&S)
BUILDING QUALITY GROUP
HOUSING & DEVELOPMENT BOARD
HDB HUB
480 LORONG 6 TOA PAYOH
SINGAPORE 310480
hkc1@hdb.gov.sg

DIRECTOR
ENGINEERING PLANNING DIVISION
JTC CORPORATION
THE JTC SUMMIT
8 JURONG TOWN HALL ROAD
SINGAPORE 609434
chwee.koh@jtc.gov.sg

DIRECTOR
BUILDING
PEOPLE'S ASSOCIATION
9 STADIUM LINK
SINGAPORE 397750
foo_soon_leng@pa.gov.sg

PRESIDENT
THE TUNNELLING AND UNDERGROUND
CONSTRUCTION SOCIETY SINGAPORE (TUCSS)
C/O CMA INTERNATIONAL CONSULTANTS PTE LTD
1 LIANG SEAH STREET
#02-12 LIANG SEAH PLACE
SINGAPORE 189022
info@tucss.org.sg

PRESIDENT
SOCIETY OF ROCK MECHANICS AND ENGINEERING GEOLOGY
1 LIANG SEAH STREET
#02-12 LIANG SEAH PLACE
SINGAPORE 189022
srmeg@cma.sg

ALL CORENET E-INFO SUBSCRIBERS

LIST OF EMAILS

ies@iesnet.org.sg; secretariat@aces.org.sg; enquiry@scal.com.sg; info@sia.org.sg;
sprojm@yahoo.com; josephine@sib.com.sg; enquiry@redas.com; sisv.info@sisv.org.sg;
secretariat@ssss.org.sg; registrar@peb.gov.sg; boarch@singnet.com.sg; Lim Chee Hiong
(DSTA); Wee Tong ENG (MOE); Boon Aik KOH (PUB); Bok Ngam LIM (LTA); Kee Ching
HOONG (HDB); Chwee KOH (JTC); Soon Leng FOO (PA); Kim Tee LIM (PUB);
geoss@nus.edu.sg; info@tucss.org.sg; srmeg@cma.sg

Building and Construction  Authority

 Design & Engineering
Safety Excellence
Award

**BUILDING AND CONSTRUCTION
AUTHORITY**

**BCA
DESIGN AND ENGINEERING
SAFETY EXCELLENCE AWARDS 2014**

THE BCA DESIGN & ENGINEERING SAFETY EXCELLENCE AWARDS 2014 give recognition to the Qualified Person for Structural Works [QP(ST)], QP(ST)'s firm and the project team for ingenious design processes and solutions in overcoming project challenges to ensure safety in design, construction and maintenance of building and civil engineering projects locally and overseas.

The Awards aim to:-

- a) inculcate a strong safety culture among building professionals in developing our built environment
- b) give recognition to QP(ST)s and their firms for engineering achievements
- c) provide an avenue through which competition for work excellence can be enhanced.

CATEGORY OF AWARDS

The Awards will be given out for the following categories:

- **Residential**
- **Commercial**
- **Institutional and Industrial**
- **Civil Engineering**
- **Overseas**

ELIGIBILITY

In order to be considered for the Awards, nominated projects must meet the following eligibility criteria:

- Local projects must have been completed and have obtained **TOP or CSC between 1st Jan 2011 and 31st Dec 2013**. For Overseas category, the project must be completed for operation or have obtained the TOP / CSC equivalent in the country between **1st Jan 2011 and 31st Dec 2013**.
- Projects that had been submitted for nomination previously will not be eligible.

ASSESSMENT CRITERIA

The assessment criteria for nomination under all categories, except Overseas category, are shown in the table below.

Nomination will be judged by an Assessment Committee which comprises representatives from both public and private sectors of the building and construction industry.

Safety-related incidents, e.g. fatality, accidents that occurred during the project would be taken into consideration during the evaluation process for the award. Similarly, awards given for safety e.g. LTA safety, DfS awards etc would also be taken into consideration during the evaluation process for the award.

BUILDING and CIVIL ENGINEERING PROJECTS		
A	<i>Design</i>	70%
	<u>1) Structural Design processes and solutions that emphasize safety</u> Ingenious design processes and solutions to meet challenges posed by the unique nature of the project: <ul style="list-style-type: none"> i) elegant choice of special or innovative features, advanced structural system, including robust design concept, or materials to address the challenges and risks; ii) design solutions that can be constructed safely enhancing buildability and economy; iii) synergistic collaboration/integration of design between structural engineer, architect, builder and other design professionals resulting in a better solution; iv) judicious use of competent staff, peer review, specialists input, and verification tests 	15% 15% 15% 5%
	<u>2) Quality approach in design, details and specification</u> <ul style="list-style-type: none"> i) comprehensive design analysis and checks; ii) project specific details and specifications to achieve the design intent 	5% 5%
	<u>3) Design for safe operation and maintenance</u> <ul style="list-style-type: none"> i) provisions for safe inspection/maintenance of building elements after completion ii) special design provisions to enhance occupant safety/comfort. 	5% 5%
B	<i>Construction</i>	30%
	<u>1) Construction quality and safety</u> Commitment to high standards of site management and building safety beyond statutory duties: <ul style="list-style-type: none"> i) QP(ST)'s design management of erection methods, construction sequence and temporary works to enhance safety during construction; ii) QP(ST)'s supervision, inspection regime, QA/QC plan, testing and monitoring programme 	10% 10%
	<u>2) Public Safety</u> Minimize impact of construction activities to the immediate neighbourhood: <ul style="list-style-type: none"> i) provision to manage safety and clean environment to minimize adverse public feedback. ii) adoption of structural systems that minimize impact to the neighbourhood during construction 	5% 5%

ASSESSMENT CRITERIA (OVERSEAS CATEGORY)

The assessment criteria for nomination under Overseas Category are shown in the table below.

Nomination will be judged by an Assessment Committee which comprises representatives from both public and private sectors of the building and construction industry.

Safety-related incidents, e.g. fatality, accidents that occurred during the project would be taken into consideration during the evaluation process for the award. Similarly, awards given for safety e.g. LTA safety, DfS awards etc would also be taken into consideration during the evaluation process for the award.

	BUILDING and CIVIL ENGINEERING PROJECTS	
A	<i>Design</i>	100%
	<u>1) Structural Design processes and solutions that emphasize safety</u> Ingenious design processes and solutions to meet challenges posed by the unique nature of the project: <ul style="list-style-type: none"> i) elegant choice of special or innovative features, advanced structural system, including robust design concept, or materials to address the challenges and risks; ii) design solutions that can be constructed safely enhancing buildability and economy; iii) synergistic collaboration/integration of design between structural engineer, architect, builder and other design professionals resulting in a better solution; iv) judicious use of competent staff, peer review, specialists input, and verification tests v) any special design input specific to the country. 	20% 20% 20% 5% 5%
	<u>2) Quality approach in design, details and specification</u> <ul style="list-style-type: none"> i) comprehensive design analysis and checks; ii) project specific details and specifications to achieve the design intent 	10% 10%
	<u>3) Design for safe operation and maintenance</u> <ul style="list-style-type: none"> i) provisions for safe inspection/maintenance of building elements after completion ii) special design provisions to enhance occupant safety/comfort. 	5% 5%

PRESENTATION TO ASSESSMENT COMMITTEE

Only shortlisted nominees will be required to put up a presentation to the Assessment Committee on their nominated projects. The presentation will likely be held in **Mar/Apr 2014** and it can be in Microsoft Powerpoint, multi-media and /or video presentation highlighting the distinctive features of the project and addressing the evaluation criteria. The presentation shall not be more than 15 minutes and will be followed by a question and answer session.

ANNOUNCEMENT OF AWARDS

The Awards will only be conferred to projects that have achieved the highest standards of design and engineering for safety excellence. Merit award may be presented to projects which have achieved a high degree of commendation but not sufficient to win the BCA Design & Engineering Safety Excellence Award.

Winners of the BCA Design & Engineering Safety Excellence Awards will receive a specially-designed plaque. In addition, the project parties who had contributed to ensuring safety in design, construction and maintenance of the award winning project will be presented with a Certificate each. The winning projects will receive the Award from the Guest-of-Honour at the BCA Awards Night.

BCA will notify all nominees of the results which will also be released to the press. All enquiries concerning entries for the BCA Design & Engineering Safety Excellence Awards shall be officially written to the following address:

The Secretary
BCA Design & Engineering Safety Excellence Awards 2014
Building and Construction Authority
5 Maxwell Road #05-00
Tower Block MND Building
Singapore 069110

Attention: Mr Ng Kay Beng
Email address: ng_kay_beng@bca.gov.sg
Tel : 63257581 Fax : 63257482

TERMS AND CONDITIONS

Nominees shall agree to abide by the following terms and conditions governing the Awards:

1. All materials submitted in connection with the entries shall become the property of Building and Construction Authority (the BCA).
2. Award recipients are expected to share information on their successful projects with the construction industry. This sharing of information may take the form of presentations, seminars, exhibitions and/or the hosting of company visits.
3. The BCA reserves the right to use any materials submitted in connection with the entries in any way it deems fit, without payment or royalties, and regardless of the results of the Award. This includes, but not limited to, the publication and/or exhibition of photographs, materials and /or names.
4. Nominees shall fully indemnify the BCA and hold it harmless, against any claim, liability, responsibility or damages which may result from the BCA's use of the materials submitted by entrants in connection with their entries.
5. The Assessment Committee reserves the right to defer the judgment on any shortlisted project if at any time during the assessment process, any development or incident arise concerning any party linked to the project, which is likely to result in adverse publicity to the Awards, the BCA and /or the construction industry. The duration of any such deferment shall be at the sole discretion of the Assessment Committee.
6. The BCA reserves the right to withdraw or withhold any award, if in the opinion of the BCA, the conferment of such award might result in any adverse publicity to the Awards, the BCA and/or the construction industry, because of any development or incident concerning any party linked to the recommended award winning project. The duration and extent of any such withdrawal or withholding shall be at the sole discretion of the BCA.

REQUIREMENTS OF ENTRY

Nominations must be made on the Nomination Form which should be submitted by **30 Dec 2013** to:

The Secretary
BCA Design & Engineering Safety Excellence Awards 2014
Building and Construction Authority
5 Maxwell Road #05-00
Tower Block MND Building
Singapore 069110

**BCA
DESIGN AND ENGINEERING SAFETY EXCELLENCE
AWARDS 2014**

NOMINATION FORM

I have read and understood the eligibility requirements and wish to nominate the following project for the BCA Design and Engineering Safety Excellence Awards. I understand BCA reserves the right to defer judgment on the project if the project has pending court cases on safety-related fatality.

**NOMINATION MADE BY QUALIFIED PERSON FOR STRUCTURAL WORKS /
PROFESSIONAL ENGINEER (FOR OVERSEAS CATEGORY) / QP's OR PE's FIRM**

Name of QP (Structural Works) / PE (for Overseas Category):	
Signature:	
E-mail address:	
Name, Address, Tel & Fax of Firm	
Name & Designation of Firm's Principal/Chief Executive:	
Signature:	
E-mail address:	
Project Title:	
BP Number:	
Category of Nomination:	
TOP or CSC Date:	
Actual Construction Cost:	

Actual Construction Period	mths
Cost per m ² GFA	\$ / m ²
Buildability Score	pts
Other Safety Awards	<i>Eg MOM, LTA, etc</i>
Fatality	
Project Photo	

AGREEMENT OF DEVELOPER/OWNER

I support the above nomination and declare that the project is currently not involved in any legal dispute pertaining to any complaint on safety issues in the project. I understand that BCA reserves the right to defer judgment on the project should any legal dispute arise during the assessment process.

Name, Address, Tel & Fax of Developer/Owner:	
Name & Designation of Principal/Chief Executive of Developer/Owner:	
Signature:	
E-mail address:	

INFORMATION ON PROJECT AND OTHER PROJECT PARTIES

Name of Project:	
Construction Period of Project:	
Name of QP (Building Plans):	
Name, Address, Tel & Fax of Firm:	
E-mail address:	
Name of Builder:	
Name, Address, Tel & Fax of Builder:	
E-mail address:	
Name of Specialist Consultant (where applicable):	
Name, Address, Tel & Fax of Firm:	
E-mail address:	
Name of Specialist Consultant (where applicable):	
Name, Address, Tel & Fax of Firm:	
E-mail address:	
Name of Specialist Consultant (where applicable):	
Name, Address, Tel & Fax of Firm:	
E-mail address:	

VERIFICATION OF ACCIDENT RECORDS from the Ministry of Manpower for the project.
Highlight Fatality Record if applicable

Reported Under	Period (Date of Report)	No. of Workplace Injuries Reported to MOM
Factories Act (Chapter 104) Before 28 Feb 2006	_____	
Workplace Safety and Health (Incident Reporting Regulations 2006) (From 1 Mar 2006 onwards)	_____	

INFORMATION ON PERMIT REVOCATION / STOP WORK ORDER

S/ N	Duration		Issued by (eg. BCA, MOM, LTA, NEA, etc)	Reasons for the Permit Revocation / Stop Work Order	Details of the Damage to Properties
	From (date)	To (date)			
1					
2					
3					
4					

SAFETY AWARDS

S/N	Safety awards	Issued by (e.g. LTA, etc)	Date of the award
1			
2			

SUBMISSION OF PROJECT REPORT

In addition to the nomination form, **fourteen** (14) copies and a **CD-R/DVD-R** containing of the **Project Report** must be submitted to the BCA Secretary together with the Entry Form. The Project Report should include photographs and drawings where appropriate.

The **Project Report** shall be type-written in Time New Roman, Font 12 and single spaced in **A4 format**. As far as possible, all materials should be bound into the submission in **A4 format** and shall include the following sections:

➤ **Title Page (Max. 1 page)**

- Project name
- Role of firm
- Role and names of other consultants/architects

➤ **Report proper (Max. 10 pages)**

The report proper shall include the following headings to address each of the assessment criteria:

- **Fact sheet** – (Annex A)
- **Synopsis** – a brief project description (200 words).
- Structural Design processes and solutions that emphasis safety – Should describe the ingenious design processes and solutions to meet challenges posed by the unique nature of the project
- Quality approach in design, details and specifications - Should describe how comprehensive the design analysis and checks and project specific details and specifications to achieve design intent. Relevant extract of drawings, design, specifications shall be enclosed as appendix.
- Design for safe operation and maintenance - Should describe the provisions for safe inspection/maintenance of building elements and special design provisions to enhance occupant safety/comfort.
- Construction quality and safety – Should describe QP(ST)'s design management of erection methods, construction sequence and temporary works to enhance safety during construction and QP(ST)'s supervision, inspection regime, QA/QC plan, testing and monitoring programme.
- Public safety – Should describe the impact of construction activities to the immediate neighbourhood and how it was minimized.

➤ **Photographs, sketches and diagrams (Max. 5 pages)**

- Photographs, sketches or diagrams may be used to illustrate and describe the achievement. Colour photocopies may also be used.

➤ **Verification of fatality / accident records** from the Ministry of Manpower for the project and details of fatality / accidents records.

➤ **Details of other safety-related incidents such as:**

- BCA permit revocation;
- Stop-Work orders from other agencies (LTA, MOM, etc);
- Damage to properties

➤ **Details of safety awards if any**

Note: Other materials such as display panels, audio-visuals, elaborate presentations, etc, are not required at the submission stage and will not be examined. The committees' assessment will be based on the submissions lodged in accordance with the above requirements and other private enquiries which they may wish to make at their discretion.

ADDITIONAL MATERIALS REQUIRED FROM SHORTLISTED NOMINEES:

The shortlisted nominees will be required to submit in Microsoft PowerPoint which can be used for the audio-visual presentation during Awards Presentation and for other publicity activities. A soft copy of the presentation and photographs stored in CD-R / DVD-R shall be submitted.

MEDIA RELEASE

The synopsis, approved by the project team and included in the submission, may be used by the BCA in preparing a media release and script for the Awards Presentation should the submission is successful.

BCA
DESIGN AND ENGINEERING SAFETY EXCELLENCE
AWARDS 2014

FACT SHEET

Nominees are required to list down the salient points of the project making reference to the assessment criteria. The number of words per heading shall be limited to 100. Information is to be provided for all sections, except for Overseas category nominees who are not required to provide information for Section B

General: Describe the challenges and the ingenious design process and solutions posed by the unique nature of the project.

A1: Design processes and solutions that emphasize safety. Should describe the ingenious design processes and solutions to meet challenges posed by the unique nature of the project.

A2: Quality approach in design, details and specifications. Should describe how comprehensive the design analysis and project specific details and specifications are to achieve the design intent.

A3: Design for safe operation and maintenance. Should describe the provisions for safe inspection/maintenance of building elements and special design provisions to enhance occupant safety/comfort.

B1: Construction quality and safety. Should describe QP(ST)'s design management of erection methods, construction sequence and temporary works to enhance safety during construction and QP(ST)'s supervision, inspection regime, QA/QC plan, testing and monitoring programme.

B2: Public safety. Should describe how the impact of construction activities to the neighbourhood was minimised.