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Building Engineering Division (#05-00)

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Dear Sir/Madam

## **BCA DESIGN AND ENGINEERING SAFETY EXCELLENCE AWARDS 2009 – Invitation for Nominations**

Nominations for the **BCA Design and Engineering Safety Excellence Awards 2009** are now open. For the 2009 Awards, the number of categories have been increased from **two** to **five**. The categories are:

- Residential
- Commercial
- Institutional & Industrial
- Civil engineering
- Overseas projects

2. The Awards aim to inculcate a strong safety culture among building professionals in developing our built environment. In addition, it gives recognition to the efforts by Qualified Persons for Structural Works, his/her consultancy firm and other members in the project team in overcoming various challenges to achieve safety and excellence in design and engineering works.

3. We cordially invite all Qualified Persons for Structural Works (together with the project team members - developer, architect, main contractor, specialist professional engineers and specialist contractors) to participate and nominate their projects for the Design and Engineering Safety Excellence Awards 2009 which will be given out at BCA Awards Night in April/May 2009.

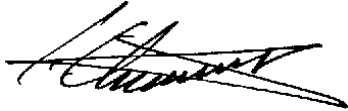
4. Details of the Award and application form are attached and the information is also available on the BCA website at <http://www.bca.gov.sg/safety/safety.html>. If you require any clarification, please contact:

Er. Ng Kay Beng (Tel: 63257581; E-mail: [ng\\_kay\\_beng@bca.gov.sg](mailto:ng_kay_beng@bca.gov.sg)) or

Er. Tan Chong Lin (Tel: 63254891; E-mail: [tan\\_chong\\_lin@bca.gov.sg](mailto:tan_chong_lin@bca.gov.sg)).

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

Yours faithfully

A handwritten signature in black ink, appearing to read 'Chew Keat Chuan', with a stylized flourish at the end.

CHEW KEAT CHUAN  
CHAIRMAN  
SAFETY AWARD ORGANISING COMMITTEE  
BUILDING AND CONSTRUCTION AUTHORITY

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Building and Construction 

 **Design & Engineering**  
**Safety Excellence**  
*Award*

**BUILDING AND CONSTRUCTION  
AUTHORITY**

**BCA  
DESIGN AND ENGINEERING  
SAFETY EXCELLENCE AWARDS 2009**

**THE BCA DESIGN & ENGINEERING SAFETY EXCELLENCE AWARDS 2009** 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) to 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 1<sup>st</sup> Jan 2006 and 31<sup>st</sup> Dec 2008**. For Overseas category, the project must be completed for operation or have obtained the TOP / CSC equivalent in the country between **1<sup>st</sup> Jan 2006 and 31<sup>st</sup> Dec 2008**.
- Projects that had been submitted for nomination previously will not be eligible.

## ASSESSMENT CRITERIA

Nomination will be judged by an Assessment Committee. Members of the Assessment Committee comprised esteemed representatives from tertiary institutions, practitioners/consultants and professional institutions/associations from the building industry.

The assessment criteria are:

<b>BUILDING and CIVIL ENGINEERING PROJECTS</b>		
<b>A</b>	<b><i>Design</i></b>	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:	
	i) elegant choice of special or innovative features, advanced structural system, including robust design concept, or materials to address the challenges and risks;	15%
	ii) design solutions that can be constructed safely enhancing buildability or economy;	15%
	iii) synergistic collaboration/integration of design between structural engineer, architect and other design professionals resulting in a better solution;	15%
	iv) judicious use of competent staff, peer review, specialists input, and verification tests	5%
	<u>2) Quality approach in design, details and specification</u> i) comprehensive design analysis and checks;	5%
	ii) project specific details and specifications to achieve design intent	5%
	<u>3) Design for safe operation and maintenance</u> i) provisions for safe inspection/maintenance of building elements after completion	5%
	ii) design for durability.	5%
<b>B</b>	<b><i>Construction</i></b>	30%
	<u>1) Construction quality and safety</u> Commitment to high standards of site management and building safety beyond statutory duties:	
	i) QP(ST)'s design management of erection methods, construction sequence and temporary works to enhance safety during construction;	10%
	ii) QP(ST)'s supervision, inspection regime, QA/QC plan testing and monitoring programme	10%
	<u>2) Public Safety</u> Minimize impact of construction activities to the immediate neighbourhood:	
	i) provision to manage safety and clean environment to minimize adverse public feedback.	5%
	ii) adoption of structural systems that minimize impact to neighbourhood during construction	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 **Feb/Mar 2009** 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.

Winners of the BCA Design & Engineering Safety Excellence Awards will receive a specially-designed plaque. In addition, the developer/owner, architect, main contractor, specialist professional engineers and specialist contractors 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 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 2009  
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](mailto: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 deemed 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

### ENTRY FORM

Nominations must be made on the Entry Form which should be submitted by **02 Jan 2009** to:

The Secretary  
BCA Design & Engineering Safety Excellence Awards 2009  
Building and Construction Authority  
5 Maxwell Road #05-00  
Tower Block MND Building  
Singapore 069110

## **PROJECT REPORT**

**Eleven** (11) copies 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).
  - **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 for durability.
  - **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 accident records from MOM for the project.**

**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.

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**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.

G: Describe the challenges and the ingenious design process and solutions posed by the unique nature of 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 to achieve design intent.

A3: Design for safe operation and maintenance. Should describe the provisions for safe inspection/maintenance of building elements and for durability.

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 neighbourhood was minimised.

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AWARDS 2009**

**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 declare that the project does not have any safety-related fatalities in which the main contractor was found liable. I understand BCA reserves the right to defer judgment on the project if it has pending court cases on safety-related fatality.

Name of QP (Structural Works):	
Signature:	
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:	

**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 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):	
Address, Tel & Fax of Firm:	
Name of Builder:	
Address, Tel & Fax of Builder:	
Name of Specialist Consultant (where applicable):	
Address, Tel & Fax of Firm:	
Name of Specialist Consultant (where applicable):	
Address, Tel & Fax of Firm:	