

## BCA UNIVERSAL DESIGN AWARDS FOR THE BUILT ENVIRONMENT 2012 CALL FOR NOMINATIONS

### Introduction

The **BCA Universal Design Awards** was launched in 2007 to promote the adoption of Universal Design in the built environment and to raise awareness among owners, developers, designers and builders on incorporating user-friendly features at the onset of project conceptualization and design. The Awards accord recognition to organizations and individuals for their exemplary efforts in embracing Universal Design in their developments.

If your development is accessible and user-friendly to all, we would like to invite you to submit for the **BCA Universal Design Awards for the Built Environment 2012**.

### Entry criteria

The invitation is open to all owners, developers and building professionals involved in creating an inclusive built-environment that is accessible and friendly to all. There is no restriction on the number of entries that each individual, firm or team can submit. The development must have obtained Temporary Occupation Permit / Certificate of Statutory Completion and be occupied at the time of submission of entry to be deemed qualified for assessment. BCA reserves the right to disqualify any participating individual / firm / team.

### Assessment criteria and scoring system

BCA Universal Design Awards evaluate a building for its features that benefit not only to special groups but everyone. Buildings are awarded the BCA Universal Design Awards based on the following key criteria:-

Connectivity	15 pts <b>(10 pts for Residential Buildings category)</b>
Accessibility	10 pts
User-Friendliness	40 pts
Safety	15 pts
Integrated Design	10 pts <b>(15 pts for Residential Buildings category)</b>
Operations & Maintenance	10 pts
BONUS for Innovation and Enhancement	25 pts

Under the Universal Design Awards assessment system, points are awarded for incorporating Universal Design features, which are over and above Code-compliance. The points awarded provide an indication of the inclusiveness of the building design. Buildings are awarded **Gold, Silver or Bronze ratings** following site evaluations by the assessment committee.

All entries are grouped into one of the following six building categories:

1. Commercial/ Mixed Use/ Industrial Buildings
2. Institutional Buildings
3. Residential Buildings
4. Open Category
5. Outdoor Spaces & Structures
6. Refurbished Buildings

### **Assessment committee**

All entries will be judged by the Assessment Committee, comprising senior representatives from the following organizations:

Building and Construction Authority  
Singapore Institute of Architects  
Handicap Welfare Association  
Singapore Association of Occupational Therapists  
National University of Singapore  
Real Estate Developers' Association of Singapore  
Society for the Physically Disabled  
Council for Third Age

### **Applications and assessment process**

Developers, building owners and government agencies are to submit an entry form to BCA to register their interest in participating in the BCA Universal Design Awards. Alternatively, applicants can log on to our Friendly Built Environment Portal [www.friendlybuildings.sg](http://www.friendlybuildings.sg) and submit the application through e-Entry. All submission requirements including the A3-sized report (max 15 pages), Universal Design Awards Accessibility Checklist and VCD/DVD with clear sharp digital images at 300 dpi resolution, are to reach BCA by 1700hrs, 30 December 2011.

The assessors will evaluate all entries and shortlist them for site visits. The short-listed entrants will be required to make a presentation to the assessors on outstanding and innovative Universal Design features of the submitted projects prior to a site walkaround conducted by the entrants.

For any clarifications on the BCA Universal Design Awards, please email the BCA Universal Design Awards Secretariat at [bca\\_bfa\\_upgrading@bca.gov.sg](mailto:bca_bfa_upgrading@bca.gov.sg).

## ASSESSMENT CRITERIA FOR BCA UNIVERSAL DESIGN AWARDS

Description
<b>Part 1 : 15 points - Connectivity</b> (10 points for Residential Buildings category)
The degree to which the development is designed in a holistic manner to allow for seamless and sheltered connection to public transport nodes, streets, sidewalks and adjacent buildings etc and seamless movement within the buildings with provisions such as wide circulation paths and doorways and access to all levels of building by ramps and/ accessible lifts and/ ambulant friendly stairs.
<b>Part 2 : 10 points - Accessibility</b>
The availability and convenience of provisions such as safe and sheltered accessible alighting and boarding points, conspicuous accessible parking lots located near main or lift lobbies. Accessible entrances with auto doors or a step less entry.
<b>Part 3 : 40 points - User-Friendliness</b>
The availability and convenience of Family friendly facilities like family room, seats and child-friendly sanitary facilities and other amenities such as accessible information counter, friendly drinking fountain, vending machine, friendly multimedia kiosk, ATM, WiFi access, friendly directory, electric carts, AED (automated external defibrillator), PA system with induction loop. The provision of signage and way finding cues such as audible information, tactile directional indicators and color or visual themes at main circulation spaces & leading to public transport nodes and UD facilities; and the degree to which the design of signage and way-finding cues are easy to read, understand and intuitive regardless of the user's experience, knowledge, language skills or current concentration level.
<b>Part 4 : 15 points - Safety (15 points)</b>
The degree to which walking surfaces are made safe and secure with attention to details such as choice of materials, design without gratings, free of obstacles and dangerous overhangs, provision of adequate lighting and handrails/ trailing bars, contrasting colour and design clearly distinguishing floors and walls, stairs and landings and provision of tactile warning indicators near edge of potential hazardous areas.
<b>Part 5 : 10 points - Integrated Design</b> (15 points for Residential Buildings category)
The demonstration of total design approach for targeted user groups in the layout design and the integration of tastefully-designed and equitable use facilities and features with the overall architecture and interior design of the building. Design that help to integrate everyone - old, young, children and persons with different abilities within residences e.g. apartments with open plan concept to allow spatial flexibility, apartments with future protect features for the elderly.
<b>Part 6 : 10 points - Operations &amp; Maintenance</b>
The degree to which the organization is committed to creating and maintaining an inclusive built environment through the establishment of corporate policy which is clearly communicated to employees, mandating regular inspections to ensure good working condition of facilities, equipping employees with Universal Design knowledge through training, and providing avenues for users to give feedback and authority for employees to render assistance to feedback givers.
<b>GRAND TOTAL FOR PARTS 1-6 = 100 POINTS</b>
<b>Part 7 : 25 points - BONUS for Innovation and Enhancement</b>
The provision of other new/innovative aging-in-place, pro-family and/or employee-friendly UD facilities or features and accessible escape routes and systems for the physically challenged, such as Braille on stairs railings, rental of wheelchair, pram, accessibility scooters, etc. Designing with the provision for the flexibility to allow for future modifications. The commitment and efforts of refurbished building owners in overcoming the challenges of existing constraints. Innovations like intelligent home features and other novel UD facilities or features within home.
<b>TOTAL FOR PART 7 = 25 POINTS</b>

Note: Refer to the checklist for more details.

## BCA UNIVERSAL DESIGN AWARDS FOR BUILT ENVIRONMENT 2012 ENTRY FORM

**Project Entry No.**  
(for official use)

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**Entry Submission Details**

Name of Project	: _____
TOP/CSC Date	: _____

**Entry Category**

Please check the box for the category you are participating in.

Commercial/ Mixed Used/ Industrial Buildings	Institutional Buildings	Residential Buildings
<input type="checkbox"/> Hotel <input type="checkbox"/> Shopping Centre <input type="checkbox"/> Cinema <input type="checkbox"/> Theatre <input type="checkbox"/> Offices <input type="checkbox"/> Market &/ Food Centre* <input type="checkbox"/> Factory/ Business Park* <input type="checkbox"/> Others, Pls specify _____	<input type="checkbox"/> Hospital <input type="checkbox"/> School <input type="checkbox"/> Library <input type="checkbox"/> Museum <input type="checkbox"/> Places of Worship <input type="checkbox"/> Others, Pls specify _____	<input type="checkbox"/> Condominium <input type="checkbox"/> HDB Flats <input type="checkbox"/> Strata housing (Town House / Detached / Semi-Ds*) <input type="checkbox"/> Service Apartment <input type="checkbox"/> Others, Pls specify _____

Open Category	Outdoor Spaces & Structures	Refurbished Buildings
<input type="checkbox"/> MRT station <input type="checkbox"/> Bus Interchange/ Terminal* <input type="checkbox"/> Sports Complex <input type="checkbox"/> Swimming Complex <input type="checkbox"/> Places of Interest <input type="checkbox"/> Stadium <input type="checkbox"/> Club/ Resorts* <input type="checkbox"/> Theatre/ Amphitheatre/ Performance Hall* <input type="checkbox"/> Others, Pls specify _____	<input type="checkbox"/> Public/ Neighborhood Parks* <input type="checkbox"/> Park Connector <input type="checkbox"/> Promenade <input type="checkbox"/> Plaza <input type="checkbox"/> Public, private and HDB open spaces <input type="checkbox"/> Others, Pls specify _____	<input type="checkbox"/> Buildings or facilities that have undergone additions and alterations and upgraded with universal design features

\*delete accordingly

**Project Team Information**

**Qualified Person(s)**

Company name : \_\_\_\_\_

Qualified Person : \_\_\_\_\_

Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_

Email : \_\_\_\_\_

**Associate Designer(s) [if applicable]**

Company name : \_\_\_\_\_

Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_

Email : \_\_\_\_\_

**Owner/ Developer Information**

Check here if owner is the developer

Company name : \_\_\_\_\_

Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_

Email : \_\_\_\_\_

**Managing Agent Information (if applicable)**

Company name : \_\_\_\_\_

Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

Mobile: \_\_\_\_\_

Fax: \_\_\_\_\_

Email : \_\_\_\_\_

## Submission of Materials

### A. Description of the Development and UD Facilities

1. A written description of 300-500 words of the development and the Universal Design (UD) facilities and features.
2. Photographs and drawings illustrating the development and the UD facilities and features should be submitted in A3-sized report (max 15 pages).
3. Information on the A3-sized report must include annotated drawings such as site plan at a scale of not less than 1:2000 and any other plans, sections, perspectives, photographs and axonometric drawings to illustrate:
  - a. Access routes from amenities to the development
  - b. Circulation paths and doorways with sizes clearly annotated
  - c. Family-friendly facilities and amenities
  - d. Signage and way-finding cues
  - e. Safety and Emergency evacuation provisions
4. Drawings shall clearly articulate the overall design intent and highlight any unique or innovative UD solutions or ideas, if applicable.

### B. Description of Corporate Philosophy

1. A written description of 300-500 words on the corporate philosophy in creating a built environment that is accessible and friendly to all users.
2. The description shall substantiate the corporate philosophy by highlighting details such as procedures to ensure regular inspection, testing and maintenance of facilities, staff training on UD and avenues for the public to give feedback on the facilities provided.

### C. Universal Design Awards Accessibility Checklist

1. Please fill up the Universal Design Awards Accessibility Checklist ([Annex A](#)) as part of the submission.

**Note: A VCD/DVD containing presentation slides (in ppt format) of the above items (A, B & C) must accompany each entry. Picture files shall be at least 300 dpi in resolution. Project Title and Entrant's name must be clearly labeled on the VCD/DVD and VCD/DVD cover. Alternatively, the slides can be submitted online.**

## Submission Guidelines & Instructions

### Eligibility

1. The Competition is open to all owners, developers and professionals in creating an inclusive built- environment that could be used by all people. There is no restriction on the number of entries that each individual, firm or team can submit.
2. The development must have obtained Temporary Occupation Permit / Certificate of Statutory Completion and be occupied at the time of submission of entry to be deemed qualified for assessment.
3. BCA reserves the right to disqualify any participating individual / firm / team.

### Assessment of Entries

1. The assessors will evaluate all entries and shortlist them for site visit. The short-listed entrants will be required to make a presentation to the assessors on the outstanding and innovative Universal Design qualities of the projects prior the walk-around.

### Submission Deadline

1. All entry forms must be duly completed and signed. The forms, A3- sized reports, Universal Design Awards Accessibility Checklist and VCD/DVD are to be submitted in a sealed envelope with the words "BCA Universal Design Awards" clearly written on the envelope, attention to **BCA Universal Design Awards Secretariat** at the following address:

**Building and Construction Authority  
5 Maxwell Road #07-00  
Tower Block MND Complex  
Singapore 069110**

2. All entries must be received by 1700hrs, 30th December 2011.
3. No new or additional information will be accepted by BCA or considered by the Committee after the deadline.
4. Any non-compliant submission will not be accepted.
5. Any queries on the awards should be emailed to [bca\\_bfa\\_upgrading@bca.gov.sg](mailto:bca_bfa_upgrading@bca.gov.sg)

### Intellectual Property Rights

1. BCA shall have the rights to make editorial changes, publish, display, reproduce or otherwise publicize or communicate all entries submitted in any forms during the assessment, exhibition and for promotional, educational or record purposes. Such rights shall be exercisable by BCA without any payment, charge or fee whatsoever to any person.

2. Winning entries become part of BCA's permanent collection. BCA reserves the right to retain for display and or dispose of any entries after the award winners have been announced. No entries will be returned to participants.

### Committee's Decision

1. The decision of the Assessment Committee shall be final and the Committee has absolute discretion to make or withhold an award. The Committee may also re-categorize any entry, which in their opinion, has been entered in the wrong category.

### Declaration of Entrant

I declare that I am authorized by the owner/developer/company\* to submit entries for BCA Universal Design Awards for Built Environment 2012. I have read and accepted the entry criteria, guidelines and instructions. I hereby agree to abide by these criteria, guidelines and instructions and certify that all information that I have submitted is correct and true.

Name : \_\_\_\_\_

NRIC No. : \_\_\_\_\_

Signature : \_\_\_\_\_

Company name and stamp : \_\_\_\_\_

Address : \_\_\_\_\_

Telephone : \_\_\_\_\_

Mobile : \_\_\_\_\_

Fax no. : \_\_\_\_\_

Email address : \_\_\_\_\_

Date : \_\_\_\_\_

\*delete accordingly



# Universal Design Awards (UDA) 2012 Checklist

Date obtained TOP/CSC:			
How to complete the checklist		Full Compliance	Beyond Full Compliance
Please select the appropriate box(es) for each criterion that are applicable to your building(s) or development(s).			
<b>1 CONNECTIVITY</b>			
1.1	<b>Accessible external routes</b> Provided accessible external route from nearby facilities leading to entrance (of building or development) which is stable, firm, level, slip-resistant & of not less than 1200mm width. From which type of facilities? <input type="checkbox"/> Public street <input type="checkbox"/> Taxi shelter <input type="checkbox"/> Traffic junction <input type="checkbox"/> Bus shelter <input type="checkbox"/> Overhead bridge <input type="checkbox"/> Bus terminal <input type="checkbox"/> Underpass <input type="checkbox"/> Train station <input type="checkbox"/> Parks or park connectors <input type="checkbox"/> Other buildings or developments	At least one <input type="checkbox"/>	All <input type="checkbox"/>
1.2	<b>Horizontal circulation</b> External & Internal corridors, circulation path(s) and doorways in the development are $\geq 1200\text{mm}$ <input type="checkbox"/> Less than 50% <input type="checkbox"/> More than 50% External walkway provided is <input type="checkbox"/> Partly sheltered		All (100%) <input type="checkbox"/> Fully sheltered <input type="checkbox"/>
1.3	<b>Vertical circulation</b> All level changes in the development are accessed by ramps/accessible lifts More than one accessible lifts are provided for the development	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 ACCESSIBILITY</b>			
2.1	<b>Entrances to Buildings</b> Entrances of the building/development are easily accessible by wheelchair users Main entrance doors provided are automated Entrances of the building are stepless	At least one <input type="checkbox"/>	All entrances <input type="checkbox"/> All <input type="checkbox"/> All <input type="checkbox"/>
2.2	<b>Accessible parking lots</b> (within building or has nearby external accessible vehicle parks) Number of provision is according to the minimum requirements of current code. Number of provision is beyond the minimum requirements of current code. The accessible parking lots are located near to main lobbies, lift lobbies, main/ alternative entrances of the building/ development. Number of family parking lots provided	<input type="checkbox"/>	<input type="checkbox"/> All <input type="checkbox"/> <input type="checkbox"/>
2.3	<b>Commuter Facilities</b> Please mention types of facilities provided for commuters <input type="checkbox"/> Sheltered alighting and boarding point <input type="checkbox"/> Sheltered Taxi stand <input type="checkbox"/> Fully sheltered link way connecting the MRT station, bus terminal or bus stop <input type="checkbox"/> Others, please specify: _____ All commuter facilities within the development are accessible for wheel chair users/persons of varied physical ability. All the commuter facilities within the development are covered /sheltered	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
<b>3 USER-FRIENDLINESS</b>			
3.1	<b>Family-friendly facilities and features</b> Provided at least one unisex individual washroom or water closet compartment for wheel chair users in both male and female toilets of all levels of the building. Number of toilets provided with family-friendly facilities/features. Please mention type of family-friendly facilities/features provided <input type="checkbox"/> Urinal for children      At which level? _____ <input type="checkbox"/> Child-sized water closet      At which level? _____ <input type="checkbox"/> Compartment for ambulant disabled      At which level? _____ <input type="checkbox"/> Diaper-changing station      At which level? _____ <input type="checkbox"/> Toddler seat within compartment      At which level? _____ <input type="checkbox"/> Others, please specify: _____	<input type="checkbox"/>	<input type="checkbox"/>

	USER-FRIENDLINESS (Continued)	Full Compliance	Beyond Full Compliance
	<p><i>Please tick in the boxes if the following user-friendly features are provided for the development:</i></p> <p>Children’s Activity Corners/Playrooms <input type="checkbox"/></p> <p>Locker rooms for safe keeping of the User’s pram and other heavy belongings <input type="checkbox"/></p> <p>Family/nursing rooms for breast feeding and diaper changing <input type="checkbox"/></p> <p>First aid rooms <input type="checkbox"/></p> <p>Sufficient seating or resting areas with grab bars for elderly persons in every 30m or less <input type="checkbox"/></p> <p>Seating at taxi stands <input type="checkbox"/></p> <p><b>Friendly features provided in the apartment units</b> (<u>Only for Residential building category</u>)</p> <p>Flexible kitchen countertop for wheel chair users <input type="checkbox"/></p> <p>Motion sensor lights for apartment units <input type="checkbox"/></p> <p>Rocker switches for apartment units <input type="checkbox"/></p> <p>Door viewer at apartment units main doors for Wheel chair users <input type="checkbox"/></p> <p>Sufficient free space for wheel chair user’s movement in the apartment. <input type="checkbox"/></p> <p>Bathroom for wheel chair users <input type="checkbox"/></p>		
3.2	<p><b>Social amenities</b></p> <p>At least each of the common amenities/facilities provided for the building/development are accessible for wheelchair users/ persons of varied physical ability <input type="checkbox"/></p> <p>Please mention type of amenities/facilities provided for the use of wheelchair users/ persons with varying physical abilities</p> <p><input type="checkbox"/> ATM machines      <input type="checkbox"/> Book-drops in libraries      <input type="checkbox"/> AXS, SAM or multimedia kiosks</p> <p><input type="checkbox"/> Public telephone      <input type="checkbox"/> Drinking fountains      <input type="checkbox"/> Information counters</p> <p><input type="checkbox"/> Vending machines      <input type="checkbox"/> Information counters      <input type="checkbox"/> Lockers in sports complexes, schools, etc.</p> <p><input type="checkbox"/> Electric carts      <input type="checkbox"/> Prams/wheelchair rentals      <input type="checkbox"/> Automated External Defibrillator (AED)</p> <p><input type="checkbox"/> PA System with induction loop &amp; enhanced sound system</p> <p><input type="checkbox"/> Service counters in banks or ticketing offices</p> <p><input type="checkbox"/> shower compartment for wheelchair users (in sports complexes and public swimming pools)</p> <p><input type="checkbox"/> Checkout lane and counter in departmental stores or supermarkets</p> <p><input type="checkbox"/> Guestrooms in hotels (<b>at least one in every 200 guestrooms</b>)</p> <p><input type="checkbox"/> Wheelchair parking spaces in places of public resort. (<b>At least two in every the first 200 seats or less</b>)</p> <p><input type="checkbox"/> Rooms in hostels, halls of residence or dormitories (<b>at least one in every 100 rooms</b>)</p> <p><input type="checkbox"/> Allocated at least 1 table for wheelchair users among every 10 tables of the eating place</p> <p><input type="checkbox"/> Others, please specify: _____</p> <p>The above amenities/facilities provided are strategically located and clearly directed with signages <input type="checkbox"/></p>		
3.3	<p><b>Signage</b></p> <p>Contents of every signage are short and easy to understand. <input type="checkbox"/></p> <p>Characters and graphics of every signage are large enough and are of contrasting colours with the background within the signage. <input type="checkbox"/></p> <p>All signage have clear and simple symbols or words with colour distinction. <input type="checkbox"/></p> <p>The minimum level of illumination on all the signs is 200 lux. <input type="checkbox"/></p> <p>Signage in remote areas are illuminated clearly to enhance visibility. <input type="checkbox"/></p> <p><i>Please tick in the boxes if appropriate and sufficient number of signages are provided for the development at:</i></p> <p>Main lobbies, lift lobbies, main and alternative entrances, atrium <input type="checkbox"/></p> <p>Main outdoor pedestrian footpaths and internal corridors <input type="checkbox"/></p> <p>Area leading to public transport facilities and accessible vehicular facilities <input type="checkbox"/></p> <p>Area leading to family- friendly facilities. <input type="checkbox"/></p> <p>Area leading to common amenities. <input type="checkbox"/></p>		
3.4	<p><b>Way Finding Cues</b></p> <p><i>Please tick in the boxes if appropriate tactile directional signs with contrasting colours are provided strategically at:</i></p> <p>main lobbies, lift lobbies, main and alternative entrances, atrium and plaza <input type="checkbox"/></p> <p>leading to public transport facilities and accessible vehicular facilities and family friendly facilities <input type="checkbox"/></p> <p>leading to pedestrian crossings, overhead bridge, underpass, traffic junctions, ramps, kerb ramps and stairs <input type="checkbox"/></p> <p>leading to accessible lifts <input type="checkbox"/></p>		

4. SAFETY		Full Compliance	Beyond Full Compliance
4.1	<p><b>Ramps</b></p> <p>All ramps have a gradient of 1:12 or gentler. <input type="checkbox"/></p> <p>All ramps and landings are of contrasting colours, coloured bands or tactile warning strips at top, bottom &amp; immediate landings with surrounding flooring material. <input type="checkbox"/></p> <p>All ramps have a width of not less than 1200mm. <input type="checkbox"/></p> <p>All ramps with handrails provided at both sides of the ramps. <input type="checkbox"/></p> <p>All ramps with handrails at a height of between 800mm and 900mm above floor level. <input type="checkbox"/></p> <p>All ramps with handrails extensions of not less than 300mm beyond top &amp; bottom of ramps. <input type="checkbox"/></p> <p>Building or development is designed without the need for ramps. <input type="checkbox"/></p> <p>All ramps with handrails for children. <input type="checkbox"/></p>		
4.2	<p><b>Staircases</b> (except for fire escape staircases)</p> <p>All staircases have uniform risers and treads. <input type="checkbox"/></p> <p>All staircases have nosing strips and treads of contrasting colours. <input type="checkbox"/></p> <p>Common staircases are provided with handrails provided on both sides <input type="checkbox"/></p> <p>All staircases have handrails placed at a height of between 800mm &amp; 900mm above floor level. <input type="checkbox"/></p> <p>All staircases have handrails extensions not less than 300mm beyond top &amp; bottom of staircases. <input type="checkbox"/></p> <p>Buildings or developments are designed without the need for staircases or steps (E.g. for parks). <input type="checkbox"/></p> <p>All staircases have a minimum of three risers and provided landings after every sixteen risers. <input type="checkbox"/></p> <p>All staircases have handrails for children. <input type="checkbox"/></p> <p>All staircases have Braille markings on the horizontal extended handrails. <input type="checkbox"/></p> <p>Provided tactile warning indicators near edge of steps, stairs, landings, platforms and flush pedestrian vehicular way. <input type="checkbox"/></p>		
4.3	<p><b>Passenger Lifts</b></p> <p>Passenger lifts are made accessible for visually impaired persons and wheelchair users. <input type="checkbox"/></p> <p>Lift provided with non-breakable mirrors in the lift interior to allow visual feedback for wheelchair users. <input type="checkbox"/></p> <p style="text-align: right;">At least one <input type="checkbox"/> All <input type="checkbox"/></p>		
4.4	<p><b>Illumination</b></p> <p>All areas are well lighted and the luminance level are in accordance with SS 531 <input type="checkbox"/></p> <p>All remote areas/ corners are illuminated clearly to enhance visibility <input type="checkbox"/></p>		
<b>5 INTEGRATED DESIGN</b> (Please attach a list if applicable)			
5.1	<p><b>Design approach</b></p> <p>Please highlight the design approach adopted for integrating universal design features in to the development.</p>		
5.2	<p><b>Architectural features/fittings</b></p> <p>Please highlight the architectural features/fittings specially incorporated in the development as part of Universal Design.</p>		
5.3	<p><b>Integration of features friendly to the elderly and disabled persons in residences</b> (Only for Residential building category)</p> <p>Integrated Studio apartments with other units. <input type="checkbox"/></p> <p>Provided units designed for multi-generational living <input type="checkbox"/></p> <p>Provided apartment units with future protect features for elderly. <input type="checkbox"/></p> <p>Provided apartment units with open plan concept. <input type="checkbox"/></p> <p>Provided remote controlled home automation system for apartment unit. <input type="checkbox"/></p>		
<b>6 OPERATIONS &amp; MAINTENANCE</b> (Please attach a list if applicable)			
6.1	<p><b>Corporate/Project Policies</b></p> <p>Please highlight the policies executed in the project for supporting needs of Ambulant disabled, Elderly, wheelchair users and visually impaired persons.</p>		
6.2	<p><b>Regular maintenance</b></p> <p>Please highlight the established procedures for regular testing, maintenance and upgrading of UD facilities.</p>		
6.3	<p><b>Corporate procedure for addressing public concerns</b></p> <p>Please highlight the corporate procedures for addressing public concerns about the usability of UD facilities.</p>		
<b>7 INNOVATIVE FEATURES</b> (Please attach a list if applicable)			
<b>INTENDED USER GROUPS – Accessible/Usable by?</b>			
<input type="checkbox"/>	Family with young children	<input type="checkbox"/>	Blind or partially visually impaired persons
<input type="checkbox"/>	Hearing impaired persons	<input type="checkbox"/>	Elderly (more than 50 years old)
<input type="checkbox"/>		<input type="checkbox"/>	Ambulant disabled
<input type="checkbox"/>		<input type="checkbox"/>	Wheelchair users

Note: Points will be deducted for non-compliant and substandard provisions.