



ASSOCIATION OF CONSULTING
CIVIL ENGINEERS (INDIA)



ACCE(I)
Annual Awards 2022
Celebrating Excellence

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ACCE(I) - ASPSDI 'Care for Earth' Award 2022

IMPLEMENTING SUSTAINABLE DESIGN PRINCIPLES CONTRIBUTING TO CARBON FOOTPRINT REDUCTION

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|-----------------------------|---|
| A. SHORT TITLE OF THE AWARD | ACCE(I) - ASPSDI ' Care for Earth' Award 2022 |
| B. INSTITUTED BY | ASP - SDI, Bangalore. |
| C. INCEPTED SINCE | 2021 |
| D. PERIODICITY OF THE AWARD | ANNUAL |

E. GENERAL CRITERIA FOR SELECTION FOR THE AWARD:

1 **About the Award:**

ACCE (I) - ASPSDI 'Care For Earth' Award is instituted to recognize and honour buildings demonstrating clear implementation of sustainable design contributing to reduction in carbon footprint and set new benchmarks for sustainable built environment, as a part of 'Care for Earth Program' as envisaged by ASPSDI - Sustainability Auditors for buildings and infrastructure projects.

The Award shall be entirely based upon the merit of implementing sustainability principles serving as an inspiration for the transformative action, business excellence and environment management.

2 **Eligibility:**

The nomination for the award is open only to newly constructed and completed Residential, Commercial, Institutional, Industrial building typologies and excludes Infrastructure Projects such as Roads, Bridges, Power stations, irrigation projects, Airports, Stand-alone waste and water treatment plants etc. (Buildings cannot be older than two years at the time of filing the nomination). Buildings under construction are not eligible for this award.



3 Weightage Parameters:

Innovation, functionality, expertise, measurable sustainable parameters, life cycle analysis, sustainability assessment pre-use phase.

4 Key Considerations for the Award:

Following key anchors shall be taken into consideration while evaluating the nomination.

- Low Energy and / or Eco friendly Design
- Energy Efficiency
- Saving Natural Resources
- Pre-use phase Sustainability Analysis
- Best sustainable practices adopted during construction
- Waste-to-energy principle implementation
- Reduce-Reuse-Recycle - Building Materials
- Circulatory Principle - Cradle to Cradle Principle
- Water Management / Water Conservation
- Application of Renewable Energy
- Initiatives for better Indoor Air Quality
- Building Automation
- Passive architecture principles applied
- Pre-construction Green Rating Applied / Awarded

F. GUIDELINES:

1. Criteria for selection is based on an integrated sustainability analysis derived from the essential data provided by the applicant in Five Parts as enumerated below.
2. The data shall be provided in soft and hard formats. These are mandatory and required for evaluation along with the key anchors listed in sl.no.4. Information to be specific unless otherwise details are asked for.
3. The data provided will be used to assess sustainability levels of the proposed building by the experts of the evaluation committee with reference to a set of benchmark values.
4. The nomination for the award is open only to newly completed buildings. Please refer # 2- Eligibility; for details.
5. Wherever information to be provided is not applicable for you, kindly mention **NA**
6. In case of multiple choices, kindly tick mark the applicable option.



7. Quantification and appropriate units are critical as data provided shall be integrated with several parameters and sustainability assessed.
8. Information to be provided in the same order as asked for. It is recommended to provide details below every inquiry. Information to be specific unless otherwise asked for.
9. You may add Annexures in support of your claim separately. Please mention Part and Serial number on the Annexure.

G. DETAILS TO BE FURNISHED BY THE APPLICANT (MANDATORY)

PART 1:

1. Project and the Client details
2. Names of Structural Designer/ Architect / MEP Consultants / PMC
3. Total Built up area of a building in SQM
(In case of cluster buildings, area to be mentioned separately for each building)
4. Number of floor/s (Format: B + G+ upper floors)
5. Average area per floor in SQM
6. Total cost of the Project in INR
7. Building footprint as compared to land (before construction) in Percentage
8. Water Source/s (if bore well/s is/are dug, please mention the yield/s)
9. Power Source (Please mention Generator/s capacity if used)
10. Power drawn from electricity board in kWh @ commercial rate
11. Facilities to construction workers: (Please Tick)
 - Accommodation (On site / separate designated area)
 - Local Transportation (Labor quarters to site and back)
 - Drinking Water

PART 2

12. Mode of Excavation - Mechanical / Manual
(If Excavator used, please mention bucket size)
13. Quantum of excavated soil sent out in cum
14. Quantum of excavated soil retained / reused at site in cum
15. Average Capacity of Vehicles used for transporting the earth
16. Mention Type/s of Foundation/s adopted
17. Method of basement waterproofing (if adopted)
18. Method/s of material handling during construction process
(Please mention details of Tower crane / hoist if used)
19. Average power consumption per month in Units as per meter



20. Average water consumption per month in kilo liters
21. Average Bore-well water consumption per month in kilo liters

PART 3

22. Total quantity of Reinforced Concrete used per square meter of constructed area in cum (Grade wise if different grades of concrete used)
23. Total quantity of Plain Cement Concrete used per square meter of constructed area in cum (Grade wise if different grades of concrete used)
24. Total quantity of Reinforced Steel used per square meter of constructed area in MT
25. Total quantity of Structural Steel used per square meter of constructed area in MT
26. Percentage of total concrete sourced from Ready Mix Plants (in %)
27. Minimum and Maximum % of Alternative Cementitious Materials substituted in concrete mix
28. Grade/s of cement used at site
29. Binding wire used in Kg / tonne of Reinforcing steel
30. Type/s of Formwork used and repetitions achieved in each case.
31. Percentage of vertical fenestration provided in the building
32. Type of Sand used : River sand / Manufactured sand / in combination
33. Area in SQM and Method/s of water proofing adopted for the following:
 - Basement Retaining wall:
 - Terrace:
 - Toilets/wet area:
 - Underground Tank/s
 - Overhead Tank/s

PART 4

34. Type of Materials used in the following activities and their quantity in SQM
 - Building Envelope
 - Glazed
 - Non Glazed
 - Others
 - Walls in SQM
 - Concrete blocks solid
 - Concrete blocks hollow
 - Clay Bricks
 - Soil Cement Blocks
 - AAC blocks
 - Others (please specify)



- Flooring in SQM
 - Ceramic / Vitrified
 - Natural Stone
 - Wood
 - Concrete
 - Others
- Doors and Windows in SQM
 - Natural Wood
 - Artificial Wood
 - Steel or Equivalent
 - PVC or Equivalent
 - Aluminium
 - Others

PART 5

(Please add Annexures wherever necessary)

1. Do you have Pre-certification from any of the Green Building Rating systems?
(If yes, please specify and attach copy of the certificate.)
2. Have you carried out any pre-construction sustainability analysis?
(If yes, please specify.)
3. What are the innovative steps taken to reduce the carbon footprint of the building
4. Describe steps taken to manage / treat solid waste
5. Describe steps taken to manage and treat water
6. What are the sustainable construction practices adopted at site during construction process?
7. Any renewable energy strategy adopted? If yes, please describe.
8. Describe Rain Water Harvesting Strategy adopted.

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NOMINATION FORM

NOTE:

- 1 To be filled and submitted individually for each Nomination.
- 2 Please do not change the format of the application form while filling the details.
- 3 Please go through the CHECK LIST for complete compliance of the requirements for submission.
- 4 The printed hard copy (**ONE NUMBER**) and the **PENDRIVE (THREE Copies)** containing all the other documents relevant to the award for which nomination is sought, should be sent by SPEED POST/COURIER, to reach us on or before the due date.

A Nomination for ACCE(I) – ASPSDI ' Care for Earth' Award 2022

B General Information:

1. Name of the Applicant/Organization:

2. Type of Organisation:

3. Address for Correspondence:

To be addressed to: Mr/Mrs/Dr.

Designation:

Door Number

Name of the Building

Main Road

Cross Road (If any)

Area/Locality:

Nearest Land Mark:

City:

State:

PIN Code:

Landline with STD Code:

Mobile Number

Email:

Company/Personal Website:

4. Brief Profile of the Organisation:

(Brochure of the Organisation to be attached. In case of Individuals please attach a Bio-data of self).

5. Your role in the Project: (Please tick)

Client

Consultant

Main Contractor

Sub-Contractor



6. Key Personnel of your Organisation/Company associated with the Project

(Separate Annexure can be filed, detailing the role of each Individual in the Project.)

SL. No.	Name	Designation	Role in the Project	Email	Mobile
1.					
2.					
3.					

7. Person nominated for receiving the award on your behalf:

(If you are unable to attend the Award Ceremony)

Name:

Designation:

Mobile Number:

Email:

C Project Information:

1. Name of the Project being submitted for Nomination:

2. Project Location Address:

Door Number

Name of the Building

Main Road

Cross Road (If any)

Area/Locality:

Nearest Land Mark:

City:

State:

PIN Code:

3. Schedule of the Project:

Start Date:

Completion Date:

4. Total value of the work executed in INR:

5. If you are the Main Contractor, Details of all Sub-Contractors associated with the Project:

(Separate Annexure should be filed. Detailing the role of each Individual Sub-Contractor in the Project)

6. If you are the Sub-Contractor, Details of Main Contractor/s associated with the project:

(Separate Annexure should be filed. Detailing your role in the Project)



DECLARATION BY APPLICANT

1. I/We certify that the details presented in this Application are factually correct and truly represent the works carried out by me/us/the persons mentioned.
2. I am/We are agreeable to ACCE(I) Utilizing, with due acknowledgements of the source, the material presented in this Application for any article/report for publication in the ACCE(I) Bulletin and agree to supply any additional information if required.
3. I/We agree to inspection/verification, and to facilitate such inspection/verification, of the details provided in this Application of the nominated Project by ACCE(I) if and when requested by ACCE(I).
4. I/We agree to providing any additional information/clarifications if requested by ACCE(I) with respect to this nomination.
5. I/We accept that ACCE(I) may consider this application for an Award if any other suitable category if it does not qualify for the award category applied under with due intimation to me/us in writing.
6. I/We accept the decision of the ACCE(I)'s Award Committee and its evaluation procedure as final binding in all matters relating to this Nomination.

Date:

Place:

Seal and Signature of Applicant

Name & Designation