



GRASSROOTS

CO-HOUSING

INTRODUCTION

When there is togetherness and cooperation,
When collaboration gives way to competition,
When the public gets priority over the private,
When the commons are nurtured and
When there is equity.
We begin to build sustainably.

Let us take a close look at the concept of cohousing, in an effort to address the public v/s private dichotomy. Cohousing happens when a community is formed with specific intentions, based on mutual benefit, cooperation and sharing. Architecture can impact the way in which cohousing is played out.

The Laurie Baker Centre for Habitat Studies seeks to get the students of architecture to think innovatively on the myriad possibilities of living as a close-knit community, in an urban setting, by attempting to envision an intentional community in cohousing and to design its organisational and physical structure for the **Laurie Baker Trophy 2021-22**.

The brief for Laurie Baker Trophy 2020-21 is to envision an intentional community in cohousing and prepare its organisational and physical design. The community shall consist of 40 to 60 families.

All requirements must be fulfilled, as a qualifying criterion.

Each entry is required to have three parts:

- Identification, Documentation and Analysis
- Planning and design
- Impact analysis

Identification of location:

- Choose any one Census city in India, with population between 5,00,000 and 20,00,000 as per 2011 Census.
- Choose a dense residential neighbourhood.
- Identify a site in the neighbourhood with area and other characteristics which are appropriate for the project. (Considering the restrictions owing to COVID-19, it is not essential that it is a real site; but the locality may be real.)
 - This can be for a cohousing project envisaged as a new project on a vacant plot.
 - OR this can be for overlaying the idea and infrastructure for cohousing on an existing residential settlement, which obviously would be more sustainable and replicable.
- Provide justification / rationale for the choice of the neighbourhood and the plot.

Study and documentation:

- Context of the city and the neighbourhood: Demography (particularly in relation to housing), geography, climate, socio-economic and livelihood profile, resource availability (particularly in relation to construction), etc.
- Housing situation: Study the condition of housing in the city in general and the neighbourhood in particular.
 - How are housing communities/groups/associations formed and maintained? How is shared community life happening in various housing communities studied? State and analyse how the neighbourhoods are segregated on the basis of income groups, religion, caste, etc.

- Are there any examples of shared living or mixed housing (organic or non-organic) or colliding, etc? If yes, attempt a brief documentation. (It is not mandatory that the neighbourhood selected ought to have examples of shared living, etc.)
- Context of the site: Land profile, existing features on the land and immediate surroundings, locational aspects, other relevant information significant to the design and construction of the project.
- Study and documentation may be dependent on secondary data; however, efforts should be made to corroborate the findings based on personal information, telephonic interviews and photographs obtained remotely.

Analysis:

- Analyse the social and demographic profile of the neighbourhood.
- Analyse project related, plot related and resources related information to arrive at concepts and construction specifications.
- Analyse various information and arrive at inferences sufficient to develop a detailed design programme.

Detailed design programme:

- Draw up a detailed design programme for the project for a specific number of families,
- Draw up the composition of a hypothetical community, listing the component groups, brief description of each group including the number of individuals or families in each group.
- Draw up details of spaces and resources that are shared and those which are not shared

Design and construction:

- Describe the key characteristics of the envisaged intentional community; in terms of its objectives, system of self-governance, sharing of spaces, services, tools, etc. and establishing an internal social support system.
- Fulfil the requirements of the design programme.
- Conceptual landscape, water management, waste management, energy management and overall sanitation shall be designed and presented.
- Specify construction materials and techniques with focus on sustainability.

- Overall adherence to Laurie Baker's principles or well-argued interpretations of the same.
- Provide justifications, as may be required.

Impact Analysis:

- An analysis of impact on the community.
- An overall analysis of impact on the environment.
- An overall analysis of impact on psychological socio-economic and cultural aspects.

SUBMISSION REQUIREMENTS

SHEETS CONTENT

- All requirements should be fulfilled.
- Drawings, site plans and charts expressing the context, documentation, analysis, programme, design proposal and services.
- Specific measures for handling disaster and pandemic conditions.
- Construction specifications and cost estimation on plinth area rate basis.
- Proposals to contain environmental impact; in material usage and in operation.
- Proposals for water and waste management.
- A write-up on expected socio-economic & ecological impact of the project, not exceeding 500 words.

*Hand drafting / sketching on recycled, unbleached paper of A2 size can be employed as may be preferred by the participants and the option of using computer applications can also be used.

COMPULSORY SHEET USAGE REQUIREMENTS

- A maximum of **8 nos. A2 size Landscape** sheets shall be used.
- First seven sheets
 - Site identification, studies, justification, etc. Requirements and design programme. (at least three sheets)
 - Design (at least one sheet)
- Last sheet Impact analysis.
- A separate report is not required.

Evaluation process

Two-stage evaluation process:

- **Stage 1:** Entries are to be submitted in the form of a single pdf file (maximum size: 30MB) of scanned images of the sheets or direct pdf exports by --- (at least 25 days before Annual NASA Convention). No editing allowed afterwards. These will be evaluated and shortlisted at LBC.
- **Stage 2:** Shortlisted entries will be evaluated through online presentations according to details of presentation and dates to be published later. The pdf file already submitted shall be the only presentation material.

Evaluation Criteria

The entries will be evaluated on the basis of

- Fulfilment of every requirement such as
 - Identification of location and site
 - Study and documentation
 - Analysis
 - Detailed design programme
 - Structure of the community organisation
 - Design and construction
 - Impact analysis.
- Entries without the above requirements will be disqualified.
- Comprehensive contextuality.
- Clarity in understanding and presenting the existing conditions, analysis and responsiveness in the proposed design.
- Innovations in creating an environment conducive to sharing.
- Adherence to Laurie Baker's approach to architecture, rooted in elements of ecological, socio-cultural and personal sustainability.

80 % weightage will be given to Stage 1 evaluation and 20 % weightage to Stage 2 evaluation.

PRIZE MONEY

Prize money of One lakh Rupees is allotted to the trophy and it will be divided according to the number of the Citations and Special Mentions.

IMPORTANT DATES

- Release of Brief: **2st November 2021, Tuesday**
- Registration Deadline: **2nd December 2021, 1800 hours, Thursday.**
- Queries Deadline: **27th November 2021, 1800 hours, Tuesday**
- Stage 1 Submission Deadline: **6th January 2022, 1800 hours, Thursday.**
- Stage 2 Date: **Will be Announced along with Shortlisting.**

SUBMISSION GUIDELINES

Failing to comply with any of the guidelines may lead to disqualification at the discretion of the executive council.

- **Maximum Three (03) Number of Entries Will Be Accepted Per College.**
- **There is no limit to the number of participants per entry.**
- The sheets are to be numbered properly. The format of the sheets should clearly mention the name of the trophy followed by the year i.e., **“LAURIE BAKER Trophy 2021-2022”**
- Sheets file size should not exceed **25Mb**, maximum size for Authentication and Declaration Letters is **5Mb**.
- The scale is left to the discretion of the participant(s) to the condition that the scale should be in the metric system and all the drawings should be clear and legible.

GENERAL TROPHY GUIDELINES

- All text should be in English.
- The file name should strictly be the registration code itself.
- Presentation submission should be a google drive link, with permission set to anyone with the link.
- The format of the sheet should contain a square box of **25mm*25mm** at the bottom right hand corner, next to the NASA INDIA logo which should have the unique registration number allotted to the participants after registrations.

LAURIE BAKER TROPHY | 2021-22

- Manually rendered entry should be scanned at least in **300*300dpi** (dots per Inch) resolution.
- The soft copy (non-editable format) of the sheets, and if any, report/video link, along with authentication letter, declaration letter and any other required documents prescribed in the submission requirements should be uploaded on the website by the submission deadline.
- The soft copy file of the sheets should not be corrupted or incomplete or in low resolution.
- It is mandatory to produce the original copy of the Authentication Letter for each entry (entry code should be mentioned if allotted) with the name of participant(s) and stating the unit will abide by whatever may be the final results and also agree that this entry is a property of both the institute and NASA India.
- The Authentication Letter should be signed by the HOD/Principal/Director.
- It is mandatory for the colleges to produce the original copy of the Declaration Letter for each entry (entry code should be mentioned if allotted) signed by the participants stating the work submitted is genuine and they have endorsed copy-rights for the same and to adhere by all the rules and regulations, jury process and the results.
- The Prize Money Authenticating Letter signed by the Director/ Principal / HOD in the college letter-head specifying the account details (Account Name, Account Number, Bank Name, IFSC Code, PAN attached to the account) in which the money is to be credited for each entry (entry code should be mentioned if allotted) shall be collected at a later stage.
- 30% of the prize money shall be deposited as TDS to the Income Tax Dept. of India and can be taken as rebate in ITRs.
- The working files in editable formats of the Shortlisted Entries should be submitted to the Council, failing which, the submission requirements would be deemed incomplete leading to the prize money being withheld.
- Shortlisted Entries with manual hand-done sheets should submit the content in a word document, failing which, the submission requirements would be deemed incomplete leading to the prize money being withheld.
- Any misconduct such as exposing identity through college name/ stamp participant(s) name or college code on the sheets or the video will be disqualified.
- Registration, queries and submission shall be through the website only - <https://nasaindia.co/Trophy?groupid=3>
- The Participants shall be registered through the website prior to the submission and the list should concur with the Authentication and Declaration

SHEET AND NASA INDIA LOGO GUIDELINES

Failing to comply with any of the guidelines may lead to disqualification at the discretion of the executive council.

- The sheet template to be followed is available at:
- <https://drive.google.com/drive/folders/1iENNVJvnKLcwaSfiW8n7mEq9uQs3PXhG?usp=sharing>
- NASA India Internal Logo shall always be placed on the right-hand bottom corner of the sheet.
- NASA India logo should not be merged, overlapped etc. with any sort of text, graphic, image, etc.
- NASA India logo should be in true black with a perfectly white background.