SOCIO-ECONOMIC SUSTAINABILITY

66TH YEAR GRIHA TROPHY

COMMUNITY ENGAGEMENT

INCLUSIVE DESIGN

For information and queries visit :
https://nasaindia.co/trophy

GRIHA

assemblage

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Introduction

The world around us has seen significant changes in the recent past with sustainable development being one of the most sought-after concepts within the premise of progress. The principles of sustainable development consist of social, economic, and environmental considerations. Socio-economic sustainability means supporting people's cultural and social lives through formal and informal processes. The building construction industry has united with other economic sectors to achieve the sustainability goals by creating sustainable structures to minimize impact of buildings on the environment. A critical aspect of socio-economic sustainability is ignored in the prevailing literature, which is crucial for environmental sustainability.

In the dynamic landscape of sustainable architecture, the fusion of socio-economic strategies with building design has emerged as a pivotal force, shaping the trajectory of the construction sector globally. India, with its increasing population and rapid urbanization, stands at the crossroads of tradition and modernity, prompting a critical examination of construction practices. It is imperative to address socio-economic challenges, such as resource scarcity and economic disparities, has led to a paradigm shift in the approach towards building design. This shift is not confined to national boundaries; it resonates globally as the world grapples with the escalating demands for sustainable infrastructure.

The relationship between socio-economic strategies and sustainable building design has paved the way for innovative solutions that transcend mere functionality. Architects are compelled to navigate the intricate web of societal norms, historical contexts, and environmental stewardship in the pursuit of harmonious urban environments. This journey requires a delicate balance between preserving cultural heritage and fostering sustainable practices, a challenge not unique to India but resonant in the global discourse on responsible urban development.

This introduction sets the stage for an exploration of the nuanced interplay between socio-economic considerations and building design within the specific context of urban development, both in the distinctive context of India and the broader global arena.

About GRIHA Council

GRIHA (Green Rating for Integrated Habitat Assessment), an indigenous green building rating system is the national green building rating system of India. It was established in 2007, with the combined efforts of the Ministry of New and Renewable Energy (MNRE), Government of India and TERI to develop a rating system that suits Indian climate and construction practices.

India, in its INDC document submitted at COP 21 in Paris has highlighted GRIHA as an indigenous green Building rating system developed in India. The United Nations Framework Convention on Climate Change (UNFCCC) in their third biennial update report on India has acknowledged the work done by GRIHA in the field of carbon mitigation in the building sector. GRIHA, the national green building rating system of India, received accolades in the spheres such as energy efficiency, site planning, and conservation and efficient utilization of resources.

The importance of social sustainability in construction often goes unrecognized due to a lack of awareness and guidance on relevant laws and policies. The GRIHA rating system is aligned with the United Nations SDGs and the Global Compact's human rights and education principles, GRIHA seeks to instigate positive changes in the construction sector.

GRIHA addresses the neglect of basic rights of people involved in the construction value chain, addressing issues such as inadequate amenities for construction workers and their families during construction. Additionally, it targets the removal of physical barriers, ensuring inclusivity in building design for differently abled. All these measures are in accordance with harmonised guidelines and space standards issued by Ministry of Urban Development, GoI The emphasis extends to improving indoor air quality by eliminating tobacco smoking and promoting outdoor air quality through enhanced green covers. GRIHA recognizes the importance of spreading environmental awareness as a moral responsibility for sustainability advocates.

By encouraging an understanding of the natural environment and available resources, GRIHA aims to foster a society that provides equal opportunities, reduces inequalities, supports human rights, and prioritizes the well-being of all statures of the society in our built environment. Furthermore, GRIHA acknowledge all genders and encourages all its projects to address the social and economic needs as well as maintaining their safety and security. The rating was conceived with the notion to promote green buildings, and also foster the idea of social and economic sustainability for a better future.

Design Brief

Design Multifunctional Promenade Development at Puri, Odisha incorporating innovative strategies that transcend conventional boundaries. Emphasize the environmental challenges and inclusivity in the design focusing on socio-economic aspects that meets but are not limited to GRIHA guidelines. Integrate enhanced green spaces, resource-efficient practices, and resilient infrastructure in harmony with standard environmental norms. Envision promenade as a catalyst for positive socio-economic impact, intertwining cultural richness

and modern functionality. The proposal is to create a transformative space, promoting community well-being, and environmental harmony

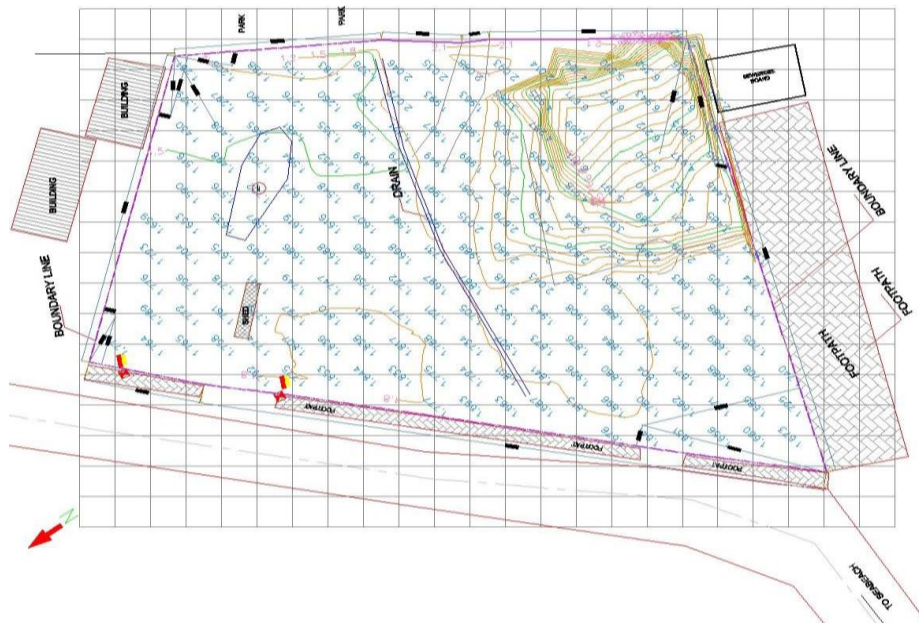The design shall include the following multifunctional spaces that are not limited to,

- Cultural pavilions
- Recreational zones
- Performance spaces
- Exhibition areas, etc.

Innovate beyond conventional boundaries by infusing these spaces with multipurpose features, promoting flexibility and community engagement. Prioritize inclusive design elements, ensuring accessibility for all. Additionally, emphasizes the incorporation of local materials and crafts, promoting economic growth within the community. These multifunctional spaces should serve as hubs for cultural exchange, recreation, and commerce, contributing to a vibrant, sustainable, and economically thriving Promenade in Puri, Odisha.

Refer below the site details;

Location	Digabareni square, Puri, Odisha
Site Area	5478.31 sqm
Heights	Basements – 18.37 m, FAR– 1.4

Site Plan

The Google location of the site can be accessed at the link below:
https://maps.app.goo.gl/cXLJdq1jTXtMsDDZ9

Objectives

1. Design Culturally enriched space with the right mix of uses and activities that can be a "celebrated place" of street culture, ethnicity, and artistic diversity
2. Design a unique and extraordinary social gathering environment for visitors and users.
3. Design development highlights an iterative approach and integration of strategies.
4. Design concept highlighting the climate responsive and passive/ active features of the proposal.
5. Design for all in accordance with harmonized guidelines and space standards issued by Ministry of Urban development.
6. Design concept highlighting water and waste management strategies.
7. The submission should include -
   - Site plan and layout plan
   - Concept plan, Plans, Elevations and Sections
   - Views, perspectives and any other means may be used to explain the design proposal.
   - Carbon impact assessment

SUBMISSION REQUIREMENTS

The submission shall be done in 2 stages, in the following manner;

Stage 1:

- The project should be expressed within a maximum of 12 A2 size sheets.
- Authentication Letter
- Declaration Letter

Stage 2:

- A presentation (PowerPoint/pdf/any other audio-visual format) of NOT more than 15 slides or a running time of 5 minutes.
- Walkthrough of 2-3 minutes
- Editable format of the sheets.

PRIZE MONEY

Prize money of 1.5 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: **27th December 2023, Wednesday**

Registration Deadline: **15th January, 2024, Friday, 1800 hrs IST**

Queries Deadline: **5th January 2024, Tuesday, 1800 hrs IST**

Submission Deadline: **15th February 2024, Thursday,1800 hrs IST**

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

- **Maximum One (01) Number of Entries Will Be Accepted Per College.**
- **The number of participants per entry shall not be more than 10.**
- The format of the sheets should clearly mention the name of the trophy followed by the year i.e. "GRIHA Trophy 2023-24"
- 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.
- 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.

SHEET & 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/1pflGHaRs5EfZTVhWygVzP2cPCqQ5cWc0?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.

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