INNOVATIONS IN GREEN BUILDING - THE GRIHA APPROACH

Energy is infinite
IN THE BEGINNING THERE WAS TIME AND SPACE
"SUKSE"
1972

JAISHI - FOUNTAINHEAD
ARCHITECTS, PLANNERS, ENGINEERS, ECONOMISTS
175/1, PAVILION ROAD, 1 BLOCK, EAST
JAYANAGAR, BANGALORE - 560 011
0 : 403 0234
PROPOSED AUDITORIUM - TOWN HALL - DHARWAR, HUBLI - DHARWAR MUNICIPAL CORPORATION
“FOUNTAINHEAD HOMES”
ENVIRONMENT
EXPOSURE
EXPERIENCE
EVOLVES
ARCHITECTURE IS NOT A PRODUCT.
IT'S A PROCESS.....
ARCHITECTURE IS ALL ABOUT SPACE
CARDS OF HERITAGE

VALUES OF TRADITION
TANGIBLE

MATERIAL

IN TANGIBLE

ABSTRACT
NUANCES OF SPACE
ITS INTERACTION WITH
FIVE ELEMENTS..
HUMAN BEINGS WERE CREATED TO THINK
MINIMUM RESOURCES

OPTIMIZATION

MAXIMUM OUTCOME
Nature never mocks.

It always teaches.
THE FIVE ELEMENTS AND THE FIVE SENSES

SHALL ALWAYS PATROL THIS ENVIRONMENT
Objective is not to just SURVIVE but to LIVE

LIVE WELL for the FUTURE to thrive
ARCHITECTURE IS NOT ALL IS ALL IS ALL ARCHITECTURE
“HASTE MAKES WASTE.
WASTE MAKES WEALTH.”
“WINDOWS OF OPPURTUNITY.

DOORS OF ADVENTURE.

JOURNEYS OF ACHIEVEMENT.”
"The result of architecture

is in the Realization

of the Design

and not just floating ideas

in the wilderness of the mind."
OPPORTUNITY TO LIVE.....

AND

LIVE BETTER
DIFFERENCES AND DIFFERENCE IS WHAT MAKES LIFE CREATIVE
The GENIUS of the Human Individual is to question
ARCHITECTURE LIES IN DETAILS
SPACE DEFINED BY DECISIONS.....

DECISIONS DEMAND DESIGN
“THOUGHTS MUST HAVE SILENCES...”
VISIONS TO REALITY
REALIZATION OF

DESIGNED SPACE..
THERE CAN BE NOTHING

THAT CAN BE COMPLETED
SUshruta VIsharanti DHAna

A Village to Retire in peace, harmony and serenity

Drive away from the hub off the city buzz on the Kanakapura Road, South of the ever expanding Bengaluru City. About Fifteen kilometers away turn left and pass under the controversial NICE six lane ring road and suddenly Nature breaks out with a thrilling welcome. Situated in an exotic valley overlooking a mountain range from where the SUN rises in all its majesty, and shielded from the harsh setting Sun by the shoulders of the hills, The Site slopes down towards a large sea of water before which is an artificial lake fed by rain water streams which forms the focus of the Suvidha village.

Here where once Leopards and Elephants roamed not so long ago will roam in peace the mentally active but physically restrained denizens. Yet they will not miss one habit of their past which have made them what they are today. Mostly achievers of some sort or other in their fields and proud to have done so and come here to bask in glory of the past and tell tales to their fellow habitants and the young who will come to visit and partake in the various activities.

Jaisim Fountainhead Projects private limited
bengaluru
Observe absurdly,
and recreate with innovation,
and the world opens up.
FOR EVERY MOUNTAIN YOU CLIMB,

A VALLEY NEED BE CROSSED.
The *goal of architecture* is to provide the human being with *spaces to live*.
“CONTENT & CONTEXT ”
The Head.

Taller Hill with Hosts

Block

Cross Sectional Factor

The Mind

The Body

Long Sectional Factor

The Saddle

First Inspirations
KNOWN FORMS DISAPPEAR

NEW FORMS EMERGE
PRINCIPLES OF GRAMMAR

HAVE NEVER CHANGED

EXPRESSIONS HAVE
THE PENCIL,  
THE COMPUTER  
ARE ONLY TOOLS.  

THE MIND IS ABSOLUTE  

YET IT CAN ACHIEVE LITTLE WITHOUT TOOLS
“DEFINING THE DEFINED ”
‘ONE CUT DOES NOT FIT ALL’
ARCHITECTURE IS FOR LIVING

IT IS ABOUT LIFE
IMAGINATION...

TO

INNOVATION....
TIME AND TIDE WAIT FOR THE RIGHT THOUGHT
ART INSPIRES……..

BUILDINGS BECOME ARCHITECTURE
Architectural expression - Interpretation of space.
AN EVOLVING CONTINUUM........
STRUCTURE IS A MANIFESTATION OF MATERIALS
Proposed tsunami relief housing at marina beach

The site covers an approximate area of **35.78 acres**

Area covered:

- Srinivasapuram - 14 acres
- Fore shore estate - 6.94 acres
- Domming kuppam and selvarajapuram - 6.37 acres
- Nochi kuppam and nochi nagar - 8.42 acres
The hexagonal structure in the hive is a wonderful example of the ways in which MINIMUM-MATERIAL or energy solutions tend to evolve in nature: in this case the hexagonal lattice requires the minimum of wax (material) to surround the largest area.
The best shapes for earthquake resistant buildings are regular shapes and preferably with two symmetry axes. In this case, the centers of gravity and rigidity will be the same or close to each other and therefore there will not be any torsion in the building.

**Material Usage**

Common Walls, reduce Usage of Material – Causing Cost Effectiveness
BUILDING

Single UNIT

Single CLUSTER
Individual Unit

Basic Unit:

- Area: 320 sft

Rooms:
- Living
- Bedroom
- Kitchen
- Toilet
- Storage

Living/Bedroom
Individual Unit

Interior View

View of Unit

PLAN
Plan of a Cluster
Cluster SE CTION
View of Clusters
A good buffer belt works by allowing air to pass through foliage while filtering out spray particles and reducing possible damage to human health, the environment, crops and livestock. Other benefits of buffer belts include productivity gains from improved crop and livestock shelter, filtered noise and dust levels, reduced complaints from concerned neighbours, lowered water tables and increased aesthetic values.
CLUSTER Plan - TYPE ‘A’
CLUSTER Plan - TYPE 'B'
“TAKING THE PAST TO THE FUTURE IN THE PRESENT, WITH RELEVANT CONTEXT……...”
INITIAL SKETCHES

Cool winter
(less than 16°C)

Hot summer
(May 50°C)

Heat

Short shadow
Long shadow

Burmëshhaim
lon. 85° E

JFPL
THE FORM DRAWS INSPIRATION FROM THE ICONIC LINGARAJA TEMPLE, ORISSA
THINKING...

MAKES ALL THE DIFFERENCE.....
COMPUTER GAVE MAN

A NEW ORDER OF EXPRESSION
L I F E

science and technology,

*Human imagination* and innovation,

continuous *flux of change*
CENTRE FOR SCIENCE TECHNOLOGY AND POLICY, BENGALURU
DESIGNING THE FUTURE....
LIFE is not about SURVIVAL, it is about LIVING.
CITIES OF
THE FUTURE....
Improbable
-Probable-

THE HUMAN MIND....
CONNECTIVITY....

COMMUNICATION.....

MOBILITY......
ENERGY IS LIFE
Thank you ........................