Humanscapes Habitat Project workshop

Auroville design Consultants – CSR – project managers and architects
SUSTAINABLE DEVELOPMENT GOALS – amendment of national building code

APPLIED RESEARCH – demonstration project in settlement design and resilient habitat - incubator for young adult Aurovilians / new comers / volunteer

Setting of parameter with a “terms of reference” for the planning and design of the settlement

Open and shared space - Social / natural / privacy / amenities

Site planning / climatic context
Building materials and technology

Water – potable
Waste water – irrigation – type of gardens

Energy
Installed and embodied

Mobility – to / around and within
Noise / emergency / service
Demographics
1. Age group for young adults?
2. Singles, live in couples & non-live in couples, families with both & single parents

Social
1. Neighbourhood with semi public transition spaces
2. Shared space and facilities within the living unit
3. Privacy for personal spaces with security

HOUSING TYPOLOGIES

Economic
1. Employment sector and potential cash flow
2. Affordability to furnish and assume Operation & Maintenance costs
Location and site plan
Typical section thru the bld

Make the access to the dwelling units open, interactive rather than giving in to the modern trend for absolute privacy, promoting use of these spaces as common hang places, security gets built in!
Balance of space allocation between private, semi private and public spaces

Play with levels, walls and texture to sensitise the user to the hierarchy of space to be considerate and respectful
Manage water (surface, roof and waste water) and landscape within the immediate open spaces to promote human – nature interaction as a natural extension of daily life; biophilia?
Experimental building materials

Poured Earth Concrete
Walls with waste cuddapha stone strips from stone cutting factories
Segmental arched vault as intermediate floor slab reducing the use of cement/steel.
Segmental arched vault under construction

Inside of the vault
Graded apertures for varying light and ventilation
Recycled Styrofoam as sound / heat insulation btw floors and on the roof
View of the building around the central court
Staircases, balconies and landings
View of the building around the central court
Amphitheatre and sit out of the multipurpose space
Top view of the amphitheatre and terraced cafe overlooking the band stand
POST OCCUPANCY MONITORING

1. Monthly monitoring of water consumption via water service bills in collaboration with one member of the settlement who will be taking care of the billing

2. Monthly data logging of the elec consumption – aves

3. Monthly data logging of energy generation – sunlit future

4. Data logging of the waste generation – eco service and inhabitants

5. Annual audit of the operative energy using devices and appliances along with user profile
Requested from the inhabitants

1. Appoint a person for electrical energy liaison (AVES / Sunlit future / AVDC) to help with data logging

2. Eco service liaison – sorting of waste and keeping of records of the waste collected

3. Training for composting with biodegradable waste and if possible engage in productive gardening with the help of Auroville green practices

4. Help in monitoring water consumption in liaison with AVDC / Water service

5. Irrigation and gardens with recycled waste water

6. Setting and running of the multipurpose centre for all Auroville with activities, along with ensuring the harmony btw the users and the local area
Team

**Project visioning / funding** – Mr. Bala Baskar (ex-sec-Avon foundation), Hemant, Carel and Suhasini

**Project holders** – AV housing / L’Avenir D’Auroville

**Architects** – Auroville Design Consultants – Suhasini / Abraham / Ramya / Gavury / Arul / Shalini

**Civil Construction** – Auropriya constructions / RK Roofing / New Dawn Carpentry - av / Kandan Painters / Shankar Plumbers

**PHE (infrastructure)** – Auroville Electrical Services / Auroville Water Service / Aurinoco / Auroville Road Service / Auroville Telephone Service / Auroville Botanical services / Auroville Center for Scientific Research