



malhar *footprints*





FOOTPRINTS

A Neighbourhood Of Car-Free Streets

GoodEarth Footprints, a whole new concept of living, where we have taken the cars out of your neighbourhood. Your home will now play gallery to the beautiful life surrounding it—the joy of children playing and the sight of people relaxed and strolling along, bringing alive the streets with their pleasant chatter. Fitness freaks, marathon runners, cyclists, little children learning to walk, pets, birds and a pollution-free environment. Imagine the possibilities of car-free streets.

Footprints is phase-1 of the Malhar eco-village, a 50-acre development of about 500 families from different walks of life and hopes to be a vibrant and socially balanced community.



Facilities at the Malhar eco-village:

A community centre at the heart of Malhar hosts various services and activities that its members offer.

A 2-acres organic farm for community-based cooperative farming initiative.

A well set-up club supports a wide range of indoor and outdoor games, fitness activities and has a pool and a spa.

A large playground, almost the size of a football field, is the pride of the community.

A scenic, kilometre long trail undulates along a wooded fringe of the property.



FOOTPRINTS

Take Your Feet Out For A Walk

The 96 homes in Footprints are grouped into eight clusters of 9–16 plots with each cluster arranged around a park. The interconnecting streets in this unusual layout are free of vehicular movements; the land typically taken up by a car park makes way for landscaped courtyards and children’s play areas. The three vehicular entrances into Footprints lead down to three central parking courts that are tucked away beneath the neighbourhood parks. The streets in Footprints remain exclusively pedestrian and children friendly. Reminiscent of an era gone past, homes in these clusters are part of a green and lively neighbourhood.

The entrances will have surface parking for visitors. Each parking court services 2–3 cluster groups and does not resemble typical basements. They are well lit and ventilated, and connected to the clusters through landscaped courts that are often at the same level. Your car park is but a few footsteps away from your home.

Footprints is spread across 7 acres of undulating land and follows its natural slope with the clusters at various levels. The Footprints layout is located at the intersection of the main access road and the proposed BDA road that leads into the Malhar development.

The Malhar Footprints Location.



A rustic setting with urban conveniences:

✓ Roughly 20 kms southwest of M.G. Road, 1.5 km off Mysore road, near Kengeri town.

✓ Served by two major roads—the Bangalore-Mysore highway (SH 17) and the peripheral BMIC (Bangalore-Mysore Infrastructure Corridor) road.

✓ Kengeri town is an important transit point for major bus routes.

✓ The Metro Rail phase-2 line extends to Kengeri.

✓ In addition to the facilities planned at Malhar itself, essential services and amenities like educational institutes, health care centres, markets and entertainment are at a comfortable reach.

Homes arranged in groups of 9 to 16 around cluster spaces. The **CLUSTER PARK** is like an extension to your home—a large yet intimate courtyard where younger children can play safely.

Surface **CAR PARK** (13 Cars)

The 3 large **COMMON PARKS** will have a children's play area. A **VOLLEY BALL** court is planned here.

Surface **CAR PARK** (12 Cars)

ENTRANCE-3

The **FRONT YARDS**, to which the living rooms of the houses are oriented, overlook the cluster spaces, while the **BACKYARDS** are more private.

Below-the-surface **CAR PARK** (40 Cars)

Below-the-surface **CAR PARK** (31 Cars)

Surface **CAR PARK** (16 Cars)

The **CLUSTERS** are interconnected with pathways for walking and cycling. Each has an identity of its own, either by its architectural character or a landscaped feature like a water body.

An **OFFICE BLOCK** brings workspaces within walking distance from your home.

Below-the-surface **CAR PARK** (34 Cars)

The **CLUB** is located in the centre of the layout and uses the levels in the layout to its advantage. It will have a gymnasium, a multi purpose space and a terrace for hosting parties, dance, music or yoga lessons.

The club also has an **INDOOR SPORTS ROOM** for playing table tennis or carom, a pool table and a splash pool for children.

A landscaped **AMPHITHEATRE** nestles between the park and the club.

ENTRANCE-1



	OPEN PLAN HOME (Type 1)
	COURTYARD HOME (Type 2)
	SPLIT-LEVEL HOME (Type 3)
	CORNER HOME (Type 4)

96 Homes

4 themes, different flavours

There are broadly four types of houses in Footprints: the courtyard home, the open plan home, the split-level home and the corner home; each being available on a range of 3–5 different-sized plots. Apart from the variations in concept and area, each house responds to its unique position in the cluster—with respect to its neighbours and the cluster space, relative differences in level, its particular directional orientation, or an unusual shape of the plot.



Ground First

TYPE 1E
 Plot area: 1810 sq. ft.
 Ground floor area: 1050 sq. ft.
 First floor area: 860 sq. ft.
 Total floor area: 1910 sq. ft.



TYPE 1D
 Plot area: 1515 sq. ft.
 Ground floor area: 995 sq. ft.
 First floor area: 860 sq. ft.
 Total floor area: 1855 sq. ft.

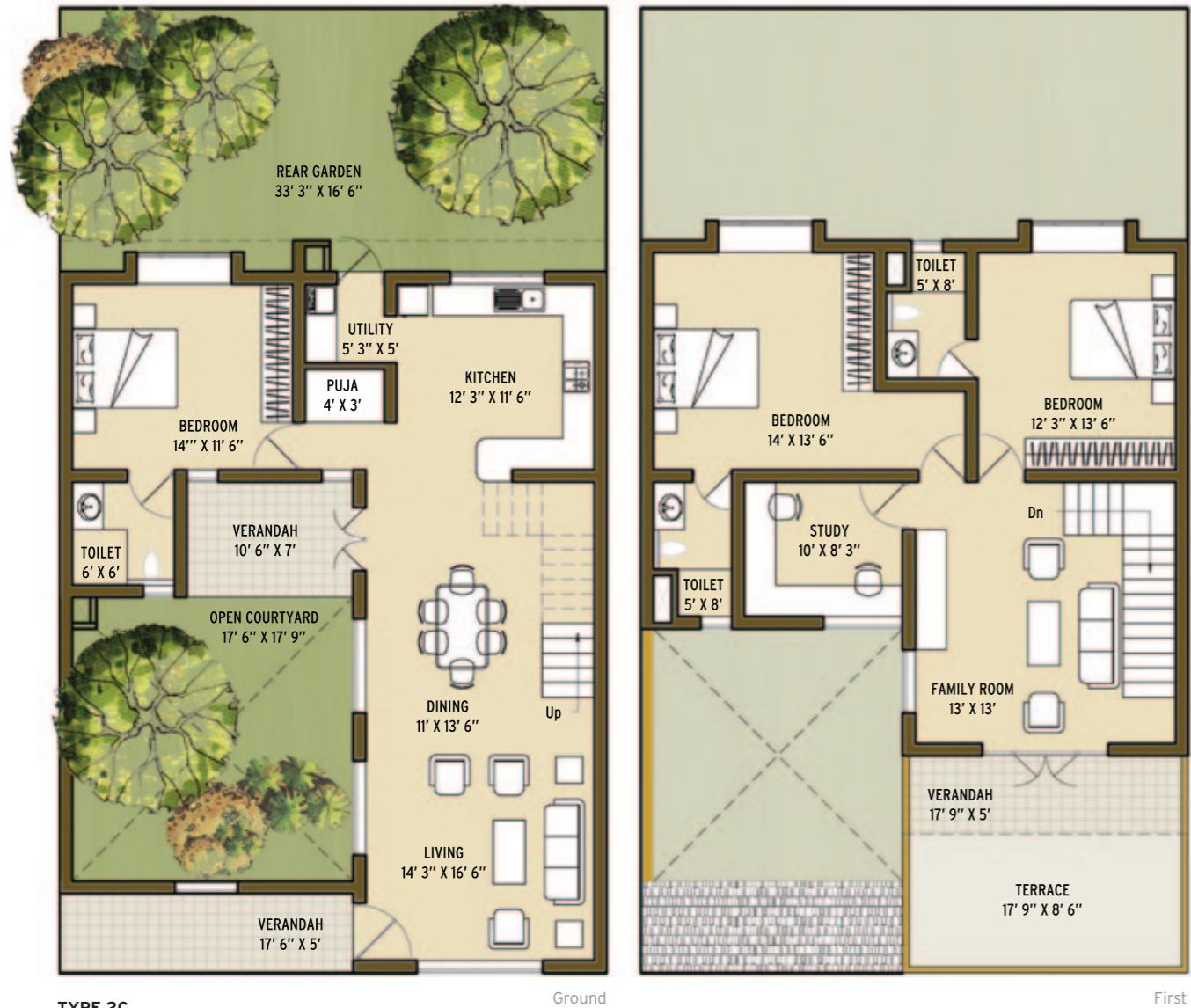


TYPE 1F
 Plot area: 2000 sq. ft.
 Ground floor area: 1250 sq. ft.
 First floor area: 1050 sq. ft.
 Total floor area: 2300 sq. ft.

The Open Plan Home

The spaces within this house flow seamlessly from the entrance verandah through the living and dining areas to the rear verandah and into the rear garden. This creates a sense of spaciousness in an otherwise compact plan. The position of the plot in the layout and proximity to the parks will decide the emphasis on the front or rear garden. The spaces are interconnected with minimum walls, with a staircase leading to the first floor. The larger houses have a study, and/or a puja-room added to them.

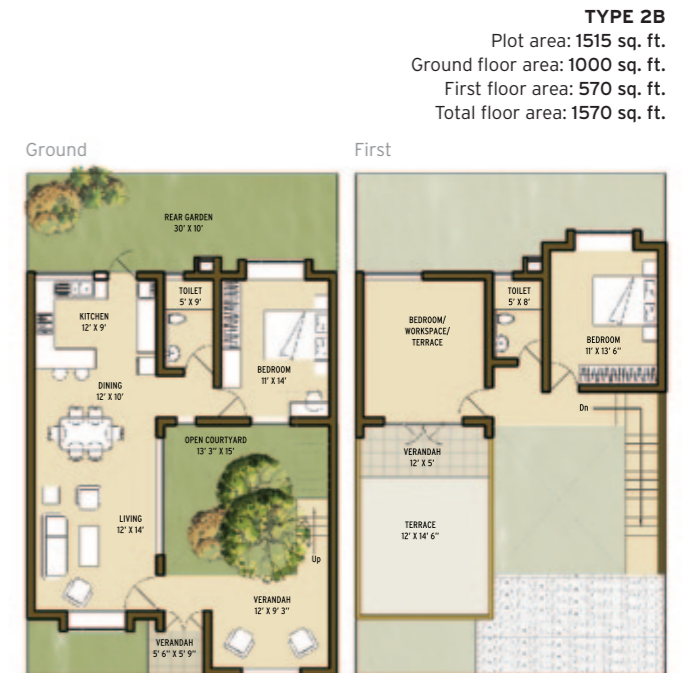
Type 1	Plot Area (sq. ft.)	Built Area (sq. ft.)	Plot Numbers
1A	1250	1270	E10, H5
1B	1500	1305	E8, G7, G8, H4, H7
1C	1500	1565	F4
1D	1500	1845	D1, D2, E13, E14, F2, H3
1E	1800	1900	A1, A2, B4, B5, C8, C9, D7, D8, D9, E1, E2, F3, F8, G1, G2, G6, G15, G16
1F	2000	2290	B1, B2, D4, D5, D11, D12, G4, G5, G12, H1, H2, H12, H13



TYPE 2C
 Plot area: 2000 sq. ft.
 Ground floor area: 1200 sq. ft.
 First floor area: 1070 sq. ft.
 Total floor area: 2270 sq. ft.



TYPE 2A
 Plot area: 1250 sq. ft.
 Ground floor area: 730 sq. ft.
 First floor area: 575 sq. ft.
 Total floor area: 1305 sq. ft.



TYPE 2B
 Plot area: 1515 sq. ft.
 Ground floor area: 1000 sq. ft.
 First floor area: 570 sq. ft.
 Total floor area: 1570 sq. ft.

The Courtyard Home

These houses are designed around an inner courtyard. The courtyard is open to sky and is suited to Bangalore's moderate weather. The living and dining overlook this court, making this intimate garden space a part of the house. It gives room for personal expression in the rendering of its finishes and can be used to create a unique identity for each house. The bedrooms and kitchen overlook spacious backyards. Some of the smaller units have interesting open stairs, while the larger ones have study spaces integrated to them.

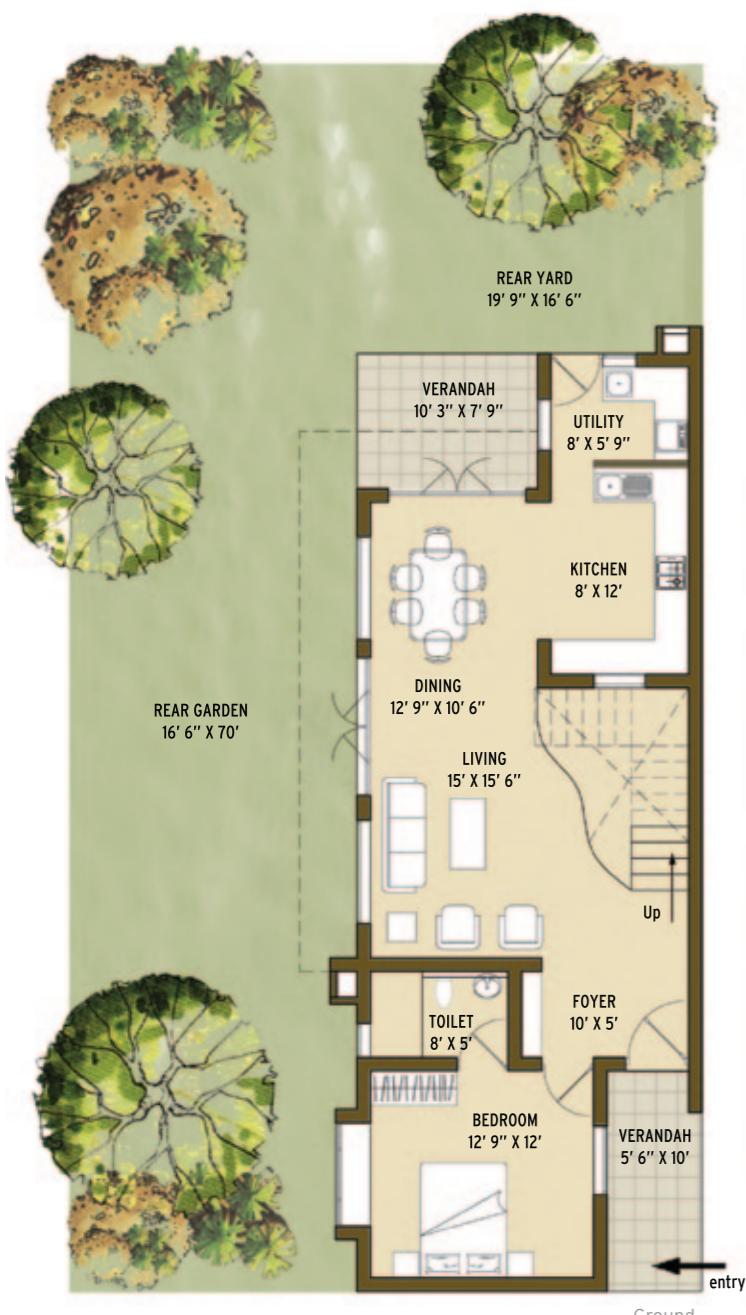
Type 2	Plot Area (sq. ft.)	Built Area (sq. ft.)	Plot Numbers
2A	1250	1255	C2, E12, G13
2B	1500	1570	E11, F1
2C	2000	2240	C4, C5, C6, D3, E9, F6, F7, F9, H8, H11



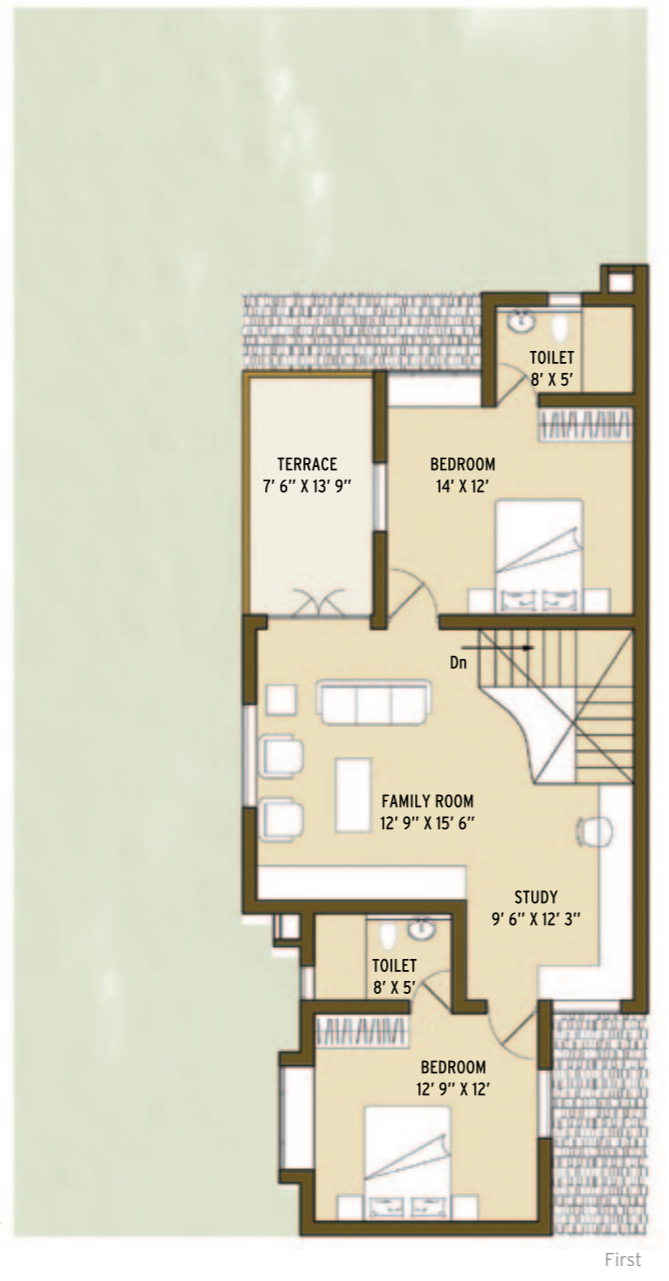
The Split-Level Home

This type of house is located where the natural slope is the steepest, the levels within the house following that of the land. The difference in levels creates interesting private spaces but does not compromise on the spaciousness of the house. Separated by just a few steps, these levels allow for play in the volume of the spaces creating a dynamic visual movement. The larger houses accommodate a study and a puja-room.

Type 3	Plot Area (sq. ft.)	Built Area (sq. ft.)	Plot Numbers
3A	1500	1840	B7, B8, B9
3B	1800	2050	A4, A5, B11, B12, E3, E4, E6, E7
3C	2000	2305	A7, A8, A9, B6



TYPE 4C
Plot Area: 2520 sq. ft.
Ground Floor Area: 1070 sq. ft.
First Floor Area: 1055 sq. ft.
Total Floor Area: 2125 sq. ft.



TYPE 4A
Plotarea: 2110 sq. ft.
Ground floor area: 1195 sq. ft.
First floor area: 1200 sq. ft.
Total floor area: 2395 sq. ft.



TYPE 4B
Plot area: 2110 sq. ft.
Ground floor area: 1170 sq. ft.
First floor area: 1130 sq. ft.
Total floor area: 2300 sq. ft.

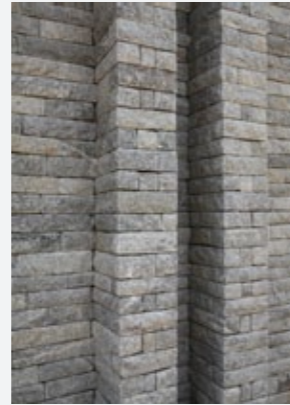
The Corner Home

These houses, as the name suggests, occupy the corners of the clusters. Affording more privacy than the others, they have larger open spaces within the plot; either an L shaped yard, or a spacious backyard, or an entrance court with a large backyard. Some of them respond to the profile of the site and are unique in character.

Type 4	Plot Area (sq. ft.)	Built Area (sq. ft.)	Plot Numbers
4A	2100	2400	A3, B10
4B	2100	2320	C7, D6, F5, G14
4C	2400	2080	B3, C3, D10, E5, G3, H9

Eco-features

Sustainability drives our design and choice of materials such that you and your environment forge a relationship for life. We use a combination of the modern and the traditional in our materials, techniques and details, creating a unique aesthetic that has a global flavour while being decidedly Indian. We integrate traditional crafts into our designs for their inherent value and to promote skilled craftspersons.

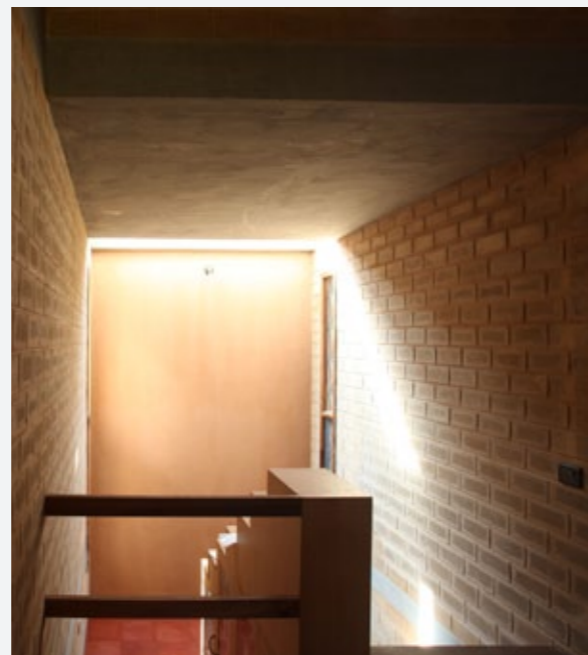


MATERIAL

Our choice of material is based on a balance of local availability, efficiency of manufacturing processes and durability over time. Natural materials make your homes more comfortable and age beautifully. Wherever possible we use recycled materials and always use resources optimally.

Earth blocks: Soil excavated from foundations, basements, tanks and water bodies is stabilized using a small percentage of cement and moulded into blocks. We use resources from the site itself thereby reducing the amount of materials being transported in. These blocks are specifically designed for the structure and quality control is done on-site. Besides being engineered for strength and durability, walls made of these are aesthetically pleasing when detailed well.

Stone: Another locally available material with excellent insulating properties and aesthetic



beauty. Today building with stone is a craft that is slowly disappearing with the increasing dependence on factory-made synthetic materials, and therefore the need to revive its use.

Wood: At Footprints, wood is more than just an aesthetic source and is seen as a sustainable resource. To promote its use as a renewable resource, we intend to plant timber species within the community. A warm, intimate material, it replaces high energy consuming steel and aluminium for doors and windows and can be used even for floors. We





believe in recycling old timber—from houses that are demolished, from packing cases, and from plantation timber—as opposed to forest timber.

Natural stone and clay for floors: As natural floor materials, these are good for you and your family's health. Wood and clay offers better insulation and comfort than synthetic floors. Besides they age beautifully with the years.

Paints: At Footprints we only use paints that are non-toxic, lead-free and low in VOC. Volatile Organic Compounds (VOC), commonly found in most indoor and outdoor paints, give out low-level toxic emissions into the air for years after application. Lower VOC paints preserve both the indoor and outdoor air quality of your home and help your family breathe easy.

CRAFT

Traditional crafts like carpentry, stonework and masonry are slowly dying out as they cannot adapt to newer material, technology and requirement. But the value they impart to a space, however, cannot be overlooked. We make a conscious effort to integrate these crafts and their skilled craftspersons in the building process. In all our work, we emphasise human resource rather than material.

ENERGY

Design for Natural Light and Ventilation: All the homes have been designed with adequate natural light and cross ventilation. Large windows, wide verandahs, air channels for circulation, and thermally conducive materials, are all features which reduce the necessity for artificial light and ventilation. You will be the proud resident of an energy efficient home.

Design for solar energy: Sunlight will be greatly sourced upon at Footprints to light up your homes during the day and to heat water. This in turn leads to lowered power consumption and greater savings on your energy bills. Provisions for connecting solar water heaters and photo-voltaic panels for power will be made on the roof.

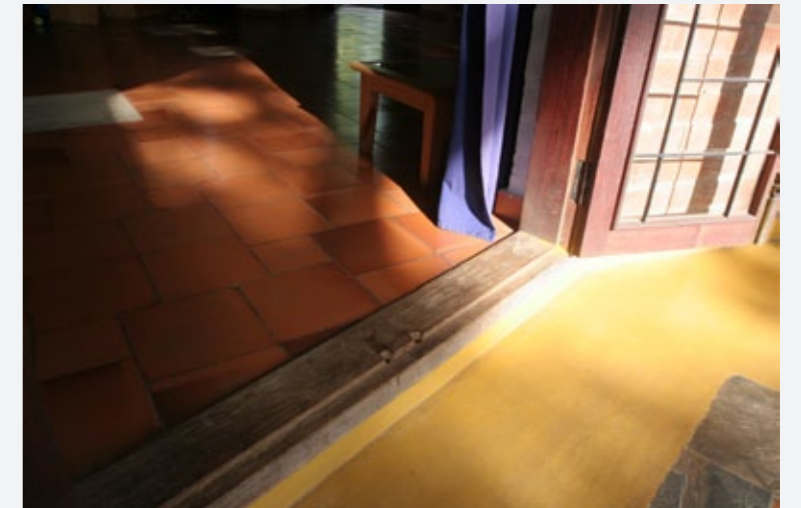
Energy-efficient lighting: We have used, wherever possible, say for instance in common areas and streets, low wattage heating elements like CFL and LED lighting systems to ensure prudent use of power. So you can rest assured that Footprints doesn't generate carbon footprints by unrestrained energy use.

WATER

Rainwater harvesting and recharging: At Malhar eco village, true to its name, rainwater conservation takes on a special significance. Rainwater is harvested and the ground water is recharged through well-spread out percolation channels across Footprints.

Roof water will also be channelled through pipes, passed through a series of filters and collected in the water tank. With intermittent rains in Bangalore, this supplements the supply through bore wells. We are also contemplating digging a small open well at the bore wells and direct the rainwater to it.

Water Recycling: An on-campus sewage treatment plant recycles all waste water. The waste water from the kitchens and bathrooms is collected and treated with a series of bio-filters and then passed through planted reed beds, to emerge clean. This water is then used for gardening and for toilet flushing. The planted reed beds merge elegantly into the landscape.



WASTE

Waste Management: We propose to have an efficient garbage disposal system that separates solid and non-biodegradable waste from the organic waste. Organic waste can be collected and composted, and the compost reused as manure. Some of the non-biodegradable waste can be incinerated. For the metals and plastics, one could look at recycling agencies which can pick up the waste.

ECOSCAPE

Integrating ecology with landscape: Creating an environment for the land to rejuvenate becomes an important aspect of planning, especially for the psychological and cultural values they impart. You will be happily spared of manicured lawns or ornamentation plants that scream out "Touch me not" besides being high on maintenance and water consumption. Your environment at Footprints will be more interactive and engaging, after all you are here to forge a relationship with nature! Your home will be surrounded by a veritable encyclopedia of plants and trees that are local and indigenous and have medicinal values. Relive the nostalgia of your own childhood as your children discover insects and birds, climb trees and create imaginative worlds in the nooks and corners of Footprints. While you also experience the change in seasons as expressed through the flowering and shedding of the trees.



Design details

Bay windows to enhance the spaciousness of the rooms, visually bringing in more greenery and make for cosy spots to relax or read.

Verandahs at the front and the rear of each home to reflect its unique character and their detailing (like the use of materials like wood, stone or tile) to provide a rich textural experience.

An occasional **balcony** to add the element of surprise with its unique look—wooden balcony or a blue balcony—and lend a distinct identity to your home in the layout.

Design innovations to the form of your home to lighten its scale and proportion and create a sense of intimacy and spaciousness.

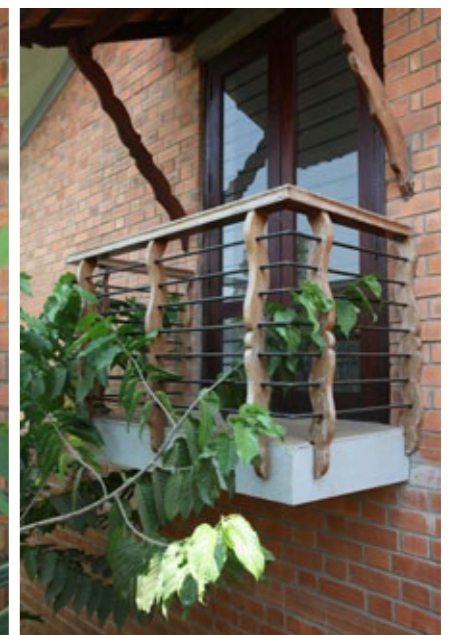
The unusual design of the **terrace railings** to act as private screens while also providing for interaction with the neighbourhood.

The courtyard walls to make a personal statement in either wire cut brick or stone or a landscaped vertical wall.

The entry to each cluster will have a distinct character. This could be in the form of a verandah, a gateway, a waterbody or the selection of foliage.

The pathways to have steps as well as ramps for children to cycle on and to facilitate access for the differently-abled.

Seating platforms and **covered pavilions** along the pathways offer spaces for relaxation and friendly interaction.



Specifications

INFRASTRUCTURE

- Internal roads:** Main Roads WBM with tar black top, cluster roads with soling and paving to increase rainwater percolation.
- External compound wall:** Layout will be surrounded with a solid 6 feet compound wall.
- Water supply:** Central Pressurized water supply from bore wells and sump and overhead tank.
- Electricity:** Underground cables with individual meters in each house, common lighting for roads and parks.
- Telephone/internet:** Telephone and Internet underground cables for telephone and broadband internet to each house..
- Landscape:** All common areas will be landscaped with trees and parks, designated visitor car parks and playground.
- Club:** Clubhouse with games room, party space and swimming pool.

STRUCTURE

- Foundation:** Combination of Random Rubble Stone foundation and RCC frame.
- Super structure:** Load bearing masonry walls in exposed stabilised mud blocks or wire cut bricks.
- Roof & slabs:** Reinforced Cement Concrete slabs.
- Interior walls:** Cement plastered.

FINISHES

- Exterior finishes:** Walls-combination of Painted and Exposed wire-cut bricks or stabilized mud blocks artistically pointed.
- Interior finishes:** Walls rendered with lime and painted with oil bound distemper.

WOODWORK

- Front door:** Seasoned teakwood, artistically designed, fully panelled.
- Internal doors:** Seasoned hardwood, fully panelled, finished with clear polish.
- Windows:** Seasoned hardwood, clear glass (except for toilets), finished with cashew oil.
- Grills:** Mild Steel grills as per design, painted with primer and semi-gloss paint.
- Hardware:** A combination of Brass and powder coated fittings and branded locks.

ELECTRICAL

Three phase concealed wiring. All wiring shall be of Anchor/ Finolex or equivalent make concealed in 19/25mm dia, 2mm thick PVC conduit pipes. Modular switches of Crabtree or equivalent brand. 200 liters solar water heater of reputed brand.

FLOORING

Vitrified tiles with a rustic stone finish of Nitco or equivalent brands.

BATHROOMS

Ceramic tiles with a rustic finish of Nitco or equivalent brands. Walls in Ceramic tiles up to 7' ht., interspersed with designer tiles.

SANITARY FITTINGS

European wall mounted white closet, Parryware or equivalent make. Taps-diverters, basin mixers and overhead shower in toilets, of Jaguar or equivalent make, CP fittings and ISI marked concealed PVC plumbing. Provision for geysers.

KITCHEN

The cabinets, counter, dado, sink and taps are not included. The electrical and plumbing connections will be provided.

We would like each house to reflect its own identity and respond to the owners' lifestyle, while not ignoring the realities of logistics and management. So each member would have some amount of choice in flooring patterns, inlays, toilet details of shelving and colour. We would also try and integrate some identifying feature in the external elevation of the house, while still making it harmonious with the rest of the homes.



GOOD EARTH has been a pioneer in the field of alternative architecture and environmentally sensitive development for the past 20 years. Through our efforts, we aspire to be one of the leaders in green business in India and inspire change in the way people live.

With every project we undertake, we gain new insights and are better equipped to provide solutions. Certain concepts about the individual and the community have evolved over time. And so have our ideas. *Eco-community* is our attempt at bringing together people and nature to mutually benefit each other.

At GoodEarth, we believe that saving planet earth is a joint responsibility. We are working towards achieving innovation in architectural developments to help the planet breathe easy.



We invite you to join us in our journey towards a sustainable future. GoodEarth is managed by a close knit group of people, involved in the project right from the concept to design, to the implementation of the smallest details.

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Good  Earth®
building sustainable communities