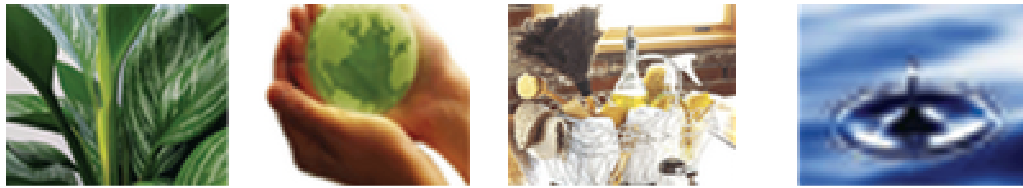




India's First Eco Centric Residential Development





Eco-Centric Development An Introduction

Eco-Centric Development or Ecocentrism as a concept means values centered on ecology

In a broader perspective it means that the natural world should be respected for its processes and products, and that low impact technology and self-reliance is more desirable than technological control of nature

Ecociti as a residential development is commitment to Ecocentrism by inculcating human values of urban living along with ecological responsibility.

Moreover, the development in Ecociti shall be executed taking the international standards of CDM (Clean Development Mechanism) to achieve Carbon Neutralization





Ecociti – The Concept

Ecociti incorporate ecologically responsive urbanism at work in which the environments behind and between buildings are as important as the buildings themselves, and in which energy, water and resources are conserved whilst maintaining human comfort and nurturing the spirit.

The roofs and walls, pergolas and water features, vegetation and choices of materials are all intended to create a micro-climate of a moderated, comfortable environment.

The architecture of the complex is incorporates features of a high level of environmentally responsible design.

The buildings in Ecociti shall have natural ventilation system, use of renewable energy through solar panels and utilization of other recycled material.

The apartments have the distinctive feature of being 4 side open with extensive balconies for panoramic views and a bedroom skylight.

Ecociti desires to achieve four key aspects:

- Accessible design
- Sustainability
- Affordable innovation
- Creating a healing and nurturing environment



climate
friendly



Ecological Footprint

Carbon Footprint
Carbon Offsetting
Procedures



The **Ecological Footprint** is a measure of human demand on the Earth's ecosystems. It compares human demand with planet Earth's ecological capacity to regenerate.

Using this assessment, it is possible to estimate how much of the Earth (or how many planet Earths) it would take to support humanity if everybody lived a given lifestyle. For 2005, humanity's total ecological footprint was estimated at 1.3 planet Earths - in other words, humanity uses ecological services 1.3 times as fast as Earth can renew them.

The core theme of **Ecociti** is to reduce the Ecological Footprint by making use of the natural resources judiciously and further recycling the reusable resources.



Ecological Footprint

Carbon Footprint

Carbon Offsetting Procedures



A **carbon footprint** is "the total set of greenhouse gas (GHG) emissions caused by an organization, event or product". For simplicity, it is often expressed in terms of the amount of carbon dioxide, or its equivalent of other GHGs, emitted. The carbon footprint is a subset of the ecological footprint.

An individual, nation, organization or Community's carbon footprint can be measured by undertaking a GHG emissions assessment.

Once the size of a carbon footprint is known, a strategy can be devised to reduce it, e.g. by technological developments, better process and product management, Carbon capture, consumption strategies, and others.

The mitigation of carbon footprints through the development of alternative projects, such as solar or wind energy or reforestation, represents one way of reducing a carbon footprint and is often known as Carbon offsetting.

Ecociti as a residential development is **committed to reduce the on-site carbon emissions to near zero** by making use of practical and well tested eco ideas and various carbon offsetting practices & procedure.



Ecological Footprint Carbon Footprint Carbon Offsetting Procedures

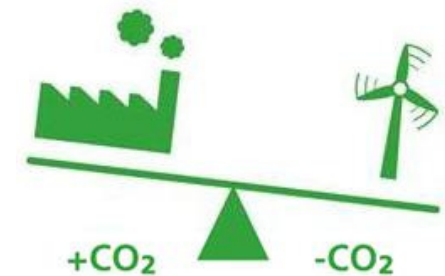
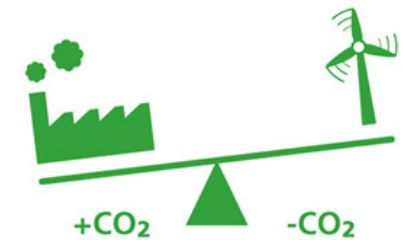


Carbon offsetting is a system of balancing the uncontrolled release of greenhouse gases being made by communities throughout the world. In this arrangement, when your actions emit the pollutants, you adopt ways to prevent emissions to negate the effects of your actions. Thus the total level of emissions will not go beyond danger levels, and the environment will be saved from uncontrolled levels of pollution.

Carbon offsetting can be done by doing some environmental activity in your neighbourhood like planting trees, using renewable sources of energy, rain water harvesting and practically anything that will either check greenhouse gas emission or will reduce existing carbon dioxide levels in the atmosphere.

Ecociti shall endeavor to achieve carbon neutralization through carbon offsetting measures. Infact Ecociti intends to propagate the concept of eco crusading and promote awareness about the need of saving the environment to the commoner.

Ecociti as a concept does not limit itself to just making residential projects across the Indian landscape but also shall strive to inspire people to try out carbon offset practices and embracing its capability to improve the environment.



Ecological Footprint

Carbon Footprint

Carbon Offsetting

Offsetting Procedures



Sources of carbon offsets

The **Clean Development Mechanism (CDM)** is considered as a yardstick to implement carbon offsetting procedures and practices.

CDM identifies various projects suitable for generating carbon offsets, which are grouped into broad categories. These project types include:

- (1) Use of Renewable Energy
- (2) Methane Abatement
- (3) Energy Efficiency
- (4) Afforestation
- (5) Fuel switching
- (6) Recycling

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Ecociti shall show that a residential project can thrive while striving to reduce on-site carbon emissions to near zero by following these CDM procedures to the best possible manner.

Ecological Footprint

Carbon Footprint

Carbon Offsetting

Offsetting Procedures



Use of Renewable Energy

Ecociti is zeroing in on renewable solar power as one of its sources of energy by use of Wind & Solar energy for electrification of common area lighting.



Methane Abatement

Ecociti shall have infrastructure to abate combustion or containment of methane gas which has global warming potential (GWP) 23 times that of CO₂. The mitigation of Methane will be achieved by the process of Anaerobic Digestion



Energy efficiency

Ecociti with its Energy-efficient buildings will reduce the amount of energy wasted in the buildings through efficient heating, cooling or lighting systems.

Low voltage LED lighting & compact fluorescent lamps will be used throughout the campus thus resulting in drastic effect on energy consumption.

The buildings will also be constructed using less carbon-intensive input materials.

The rooftops of all the building including the clubhouse shall have the green vegetated cover.



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Ecological Footprint

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Offsetting Procedures



Afforestation

Ecociti in its boarder commitment to the social responsibility shall plant seeds and trees to restore the flora and preserve the green cover of the land. In fact there will be two times more tree plantation in the campus in comparison to the mandatory Environmental Impact Assessment (EIA) standards.



Fuel switching

Ecociti as part of the eco-centric initiative shall also have power backup generators which run on clean alternative energy natural gas (CNG) and other natural non-polluting fuels generated through solar and wind energy.



Ecological Footprint

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Recycling

Recycling is the process of taking a product at the end of its useful life and using all or part of it to make another product.

The internationally recognized symbol for recycling includes three arrows moving in a triangle.

Each arrow represents a different part of the recycling process, from collection to re-manufacture to resale.

Recycling reduces our waste sent to landfills, and making new products out of recycled ones reduces the amount of energy needed in production.

Ecociti shall be contributing towards the ecosystem by making use of all available renewable resources for constructions.





The Gold Standard



The Gold Standard

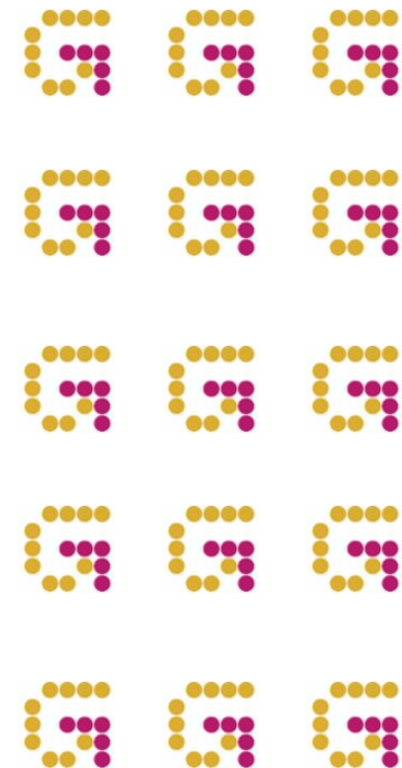
What is The Gold Standard?

The Gold Standard Foundation is a non-profit organization under Swiss law that operates a certification scheme for premium quality carbon credits.

Supporters of the Gold Standard are committed to promoting sustainable development through carbon offset markets that are characterized by transparency and equality of access for all market participants.

The Gold Standard Foundation registers projects that reduce greenhouse gas emissions in ways that contribute to sustainable development and certifies their carbon credits for sale on both compliance and voluntary offset markets.

Ecociti is India's First and Only Gold Standard Approved Residential Development. This means that apart from all the voluntary carbon reduction measures taken by us we shall also be governed by the international standards set by The Gold Standard Foundation.

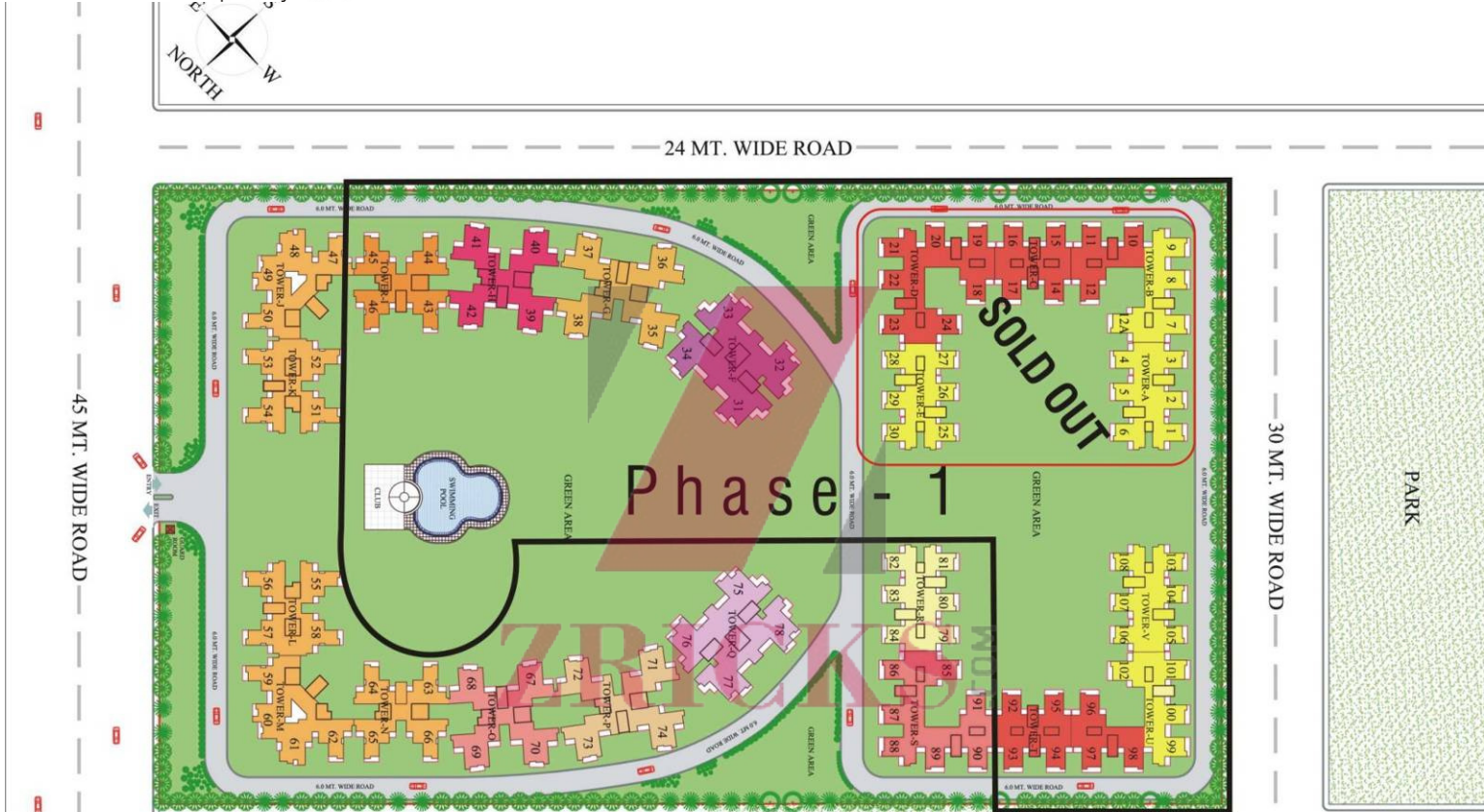




Location



Layout Plan



Phase - 1

SOLD OUT

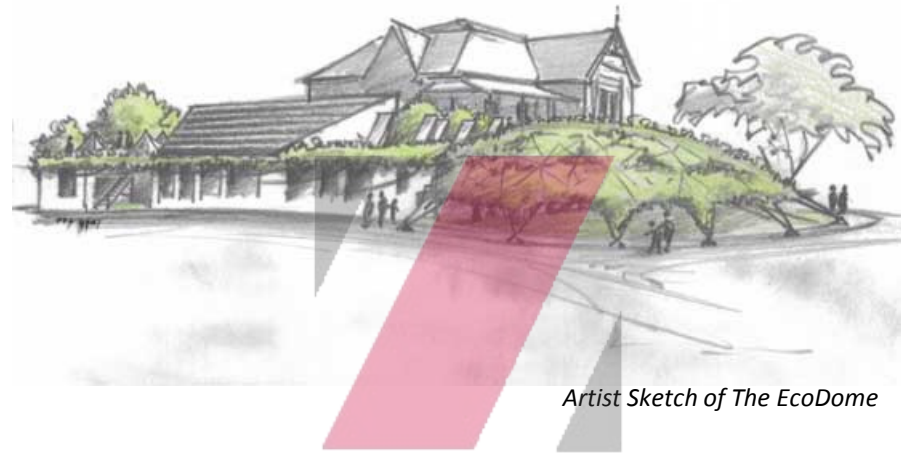
TOWER	FLAT NO.	FLAT AREA (SQ.FT.)
A	1,2,3,4,5,6	890
B	7,8,9,12A	890
C	10,11,12	1082
D	14,15,16,17	1082
E	18,19,20,21,22,23,24	1082
E	25,26,27,28,29,30	890
F	31,32,33,34	2275
G	35,36,37,38	1750
H	39,40,41,42	1595
I	43,44,45,46	1295
V	103,104,105,106,107,108	890
U	99,100,101,102	890
T	92,93,94,95,96,97,98	1082

DETAIL OF PHASE-1

FLAT SIZES (SQ.FT.)	COLOUR CODE	No. of Flats
890		390
1082		315
1295		60
1595		60
1750		60
2275		60



The EcoDome @ Ecociti



Artist Sketch of The EcoDome

The EcoDome – Club House

The underlying approach to the design of the Club House @ Ecociti is based on the idea that all of the ecologically responsible aspects of the building are 'made visible' and that as part of its role as an ecohabitat, connections are readily made between the building, its place, and its functions.

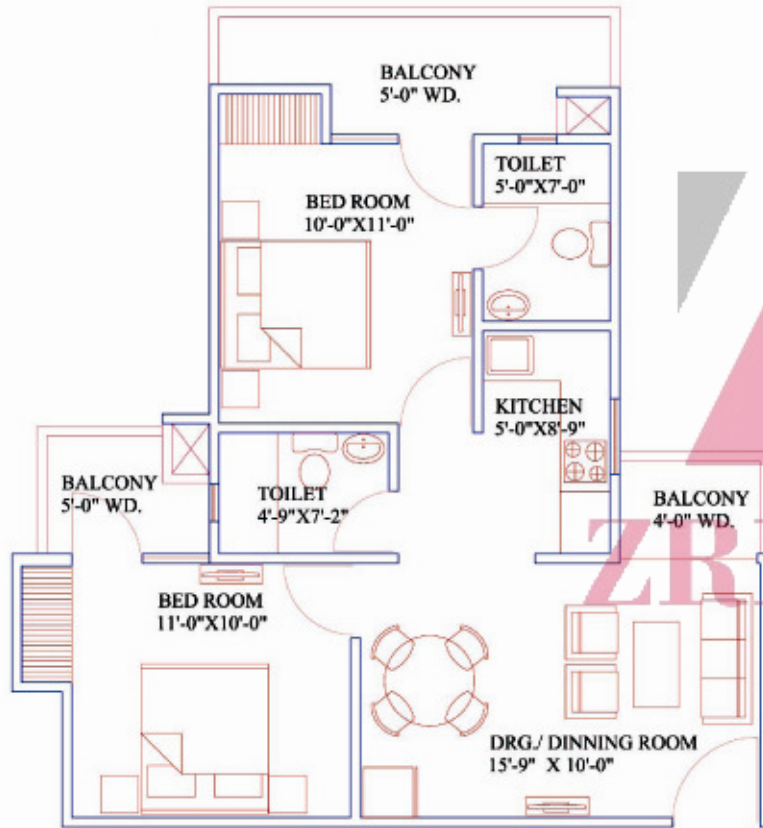
Major features include both intensive and extensive green roofs, translucent PV skylights, and the vegetated roof top .

Moreover, there shall be big open windows for cross ventilation in order to keep the temperature low in natural mode



EcoCiti - Floor Plans

2 BHK Type A



2 Bedrooms

2 Toilets

Kitchen

Dining

Drawing

3 Balconies

Area – 890 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



EcoCiti - Floor Plans

2 BHK Type B

2 Bedrooms

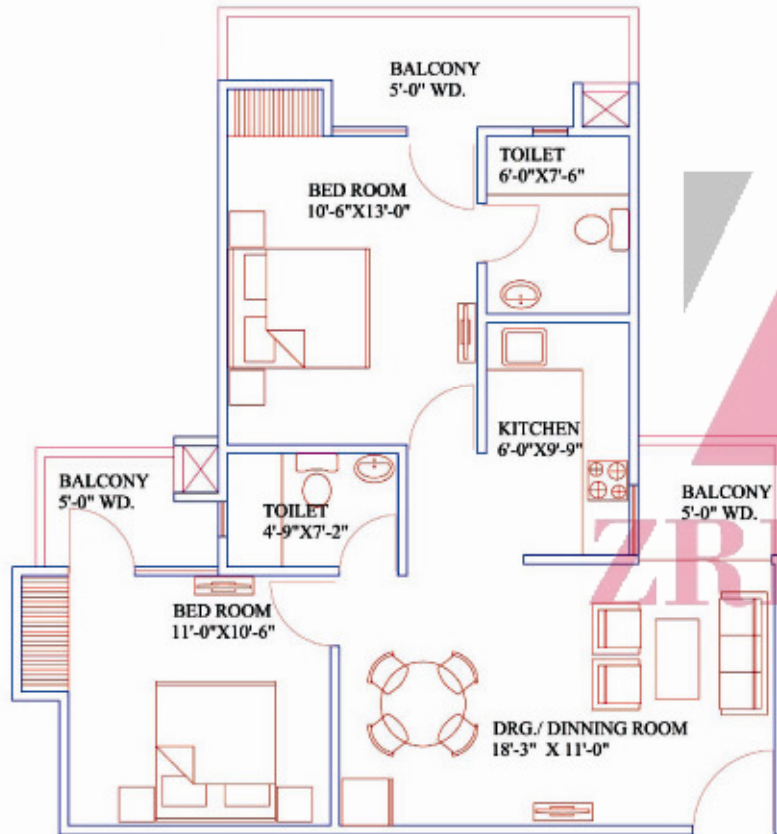
2 Toilets

Kitchen

Dining

Drawing

3 Balconies



Area – 1082 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



EcoCiti - Floor Plans

3 BHK Type A

3 Bedrooms

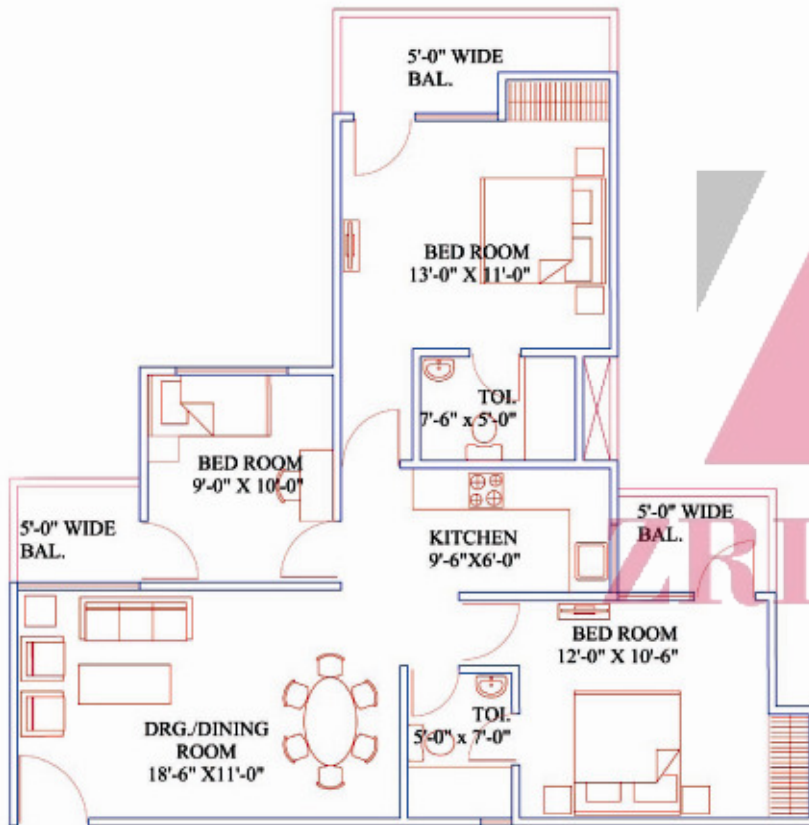
2 Toilets

Kitchen

Dining

Drawing

3 Balconies



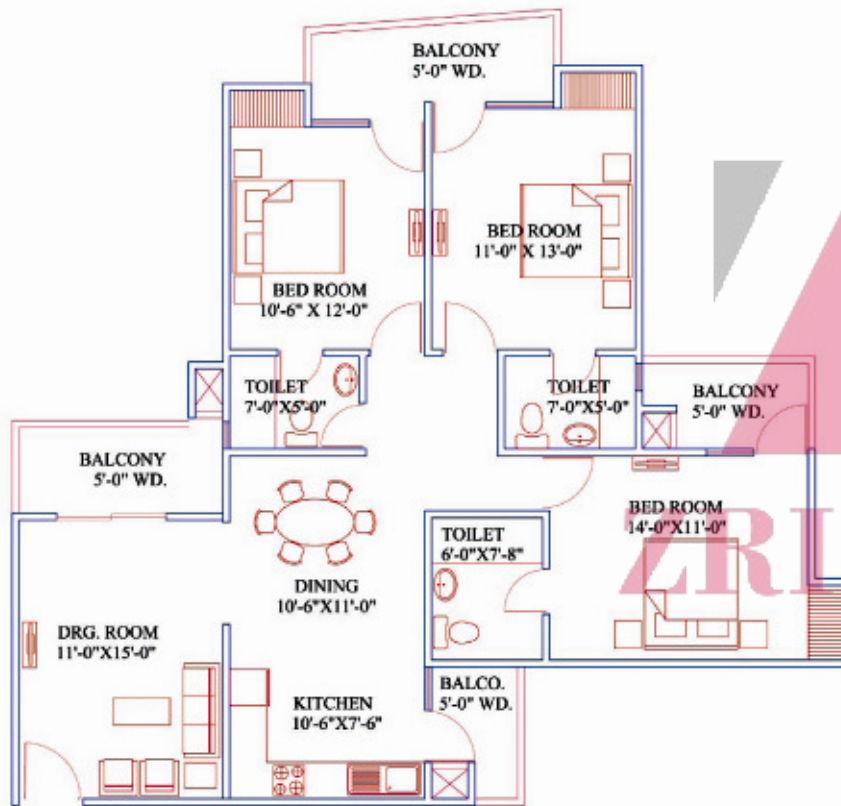
Area – 1295 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



EcoCiti - Floor Plans

3 BHK Type B



3 Bedrooms

3 Toilets

Kitchen

Dining

Drawing

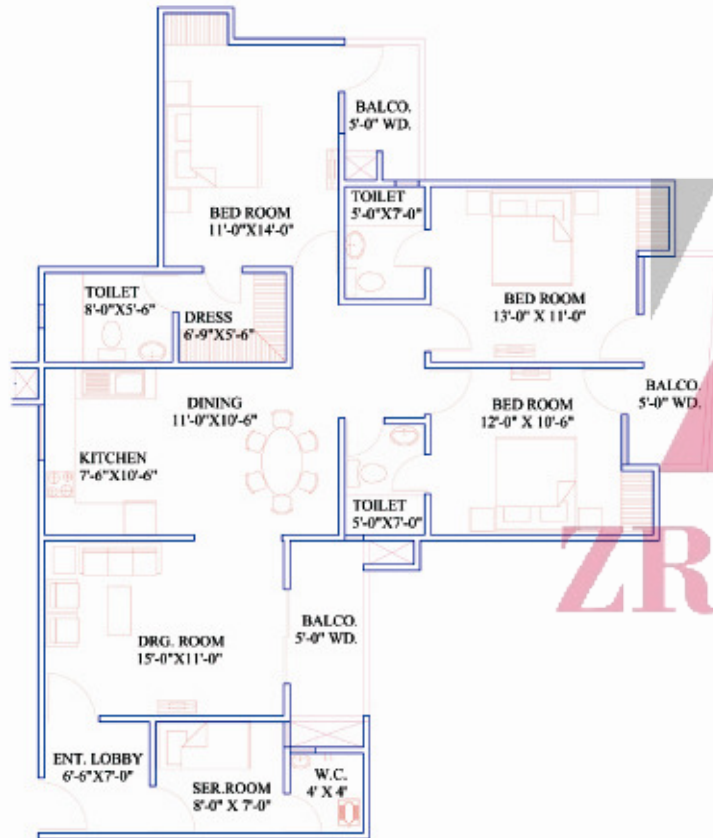
4 Balconies

Area – 1595 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



EcoCiti - Floor Plans



3 BHK + SQ

3 Bedrooms

3 Toilets

Kitchen

Dining

Drawing

3 Balconies

Servant Room

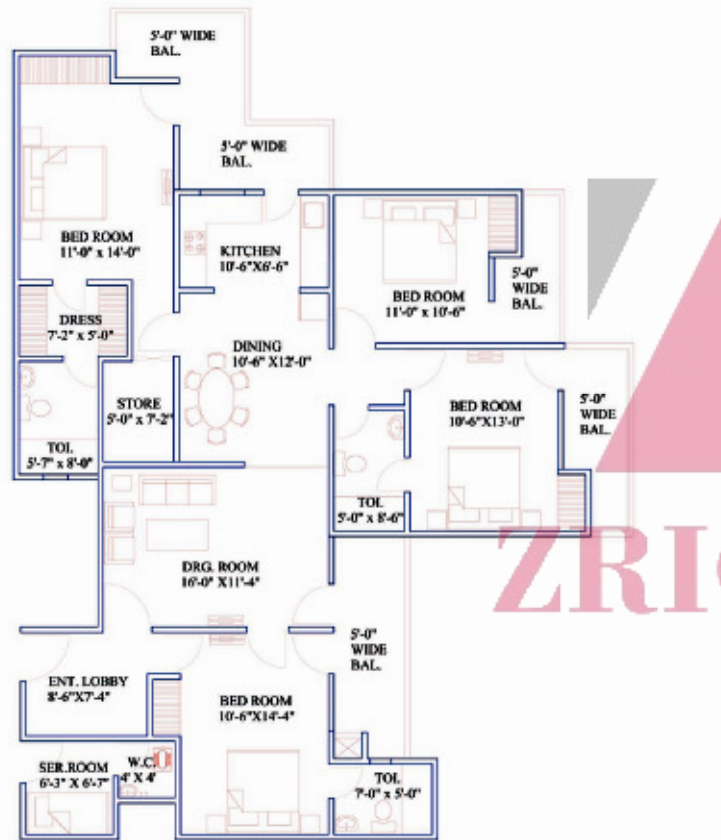
Area – 1750 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



EcoCiti - Floor Plans

4 BHK + Store + SQ



4 Bedrooms

3 Toilets

Kitchen

Dining

Drawing

5 Balconies

Store

Servant Room

Area – 2275 sq. ft.

1 sq. mtr. = 10.764 sq. ft.



Specifications

LOCATION	FLOOR	EXTERNAL DOOR AND WINDOW	ELECTRICAL FITTINGS	WALLS	FITTINGS	INTERNAL DOOR	HARDWARE	ELECTRICAL	WATER SUPPLY	CEILINGS
LIVING ROOM	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame	All doors and windows with metal fittings along with mortice lock on the main door	Copper wiring and PVC concealed conduit. Provision for adequate light and power points as well as television and T.V. outlets with modular switches and protective M.C.B.'s	Underground and overhead water tanks with pumps and 24 hours water supply. Individual R.O. plant of standard make in each kitchen.	Oil Bound Distemper
DINING	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame				Oil Bound Distemper
BEDROOM	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame				Oil Bound Distemper
MASTER BEDROOM	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame				Oil Bound Distemper
DRESSING ROOM	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame				Oil Bound Distemper
SERVANT ROOM	Ceramic Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Oil Bound Distemper	-	Flush Shutter with Wooden Frame				Oil Bound Distemper
KITCHEN	Vitrified Tiles	Powder Coated Aluminium with Double Rebate	Sheet and Switches	Ceramic Tiles of 2' height from the platform	Stainless Steel Sink with C.P. Fittings	Open				Oil Bound Distemper
TOILET	Ceramic Tiles	-	Sheet and Switches	Ceramic Tiles of 7' height	Washbasin WC & C.P. Fittings	Flush Shutter				False Ceiling
BALCONIES	Ceramic Tiles	-	Sheet and Switches	Oil Bound Distemper	-	-				Permanent Paint Finish
LIFT	P.V.C. Flooring	-	Sheet and Switches	-	-	-				-
LOBBIES/CORRIDOR	Kota Stone / Vitrified Tiles	-	-	Oil Bound Distemper	-	-				-
EXTERIOR FINISH	-	-	-	Texture Paint	-	Flush Shutter with Wooden Frame				-



Thank You

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