Role of Real Estate Developers in Affordable Housing and Climate Change

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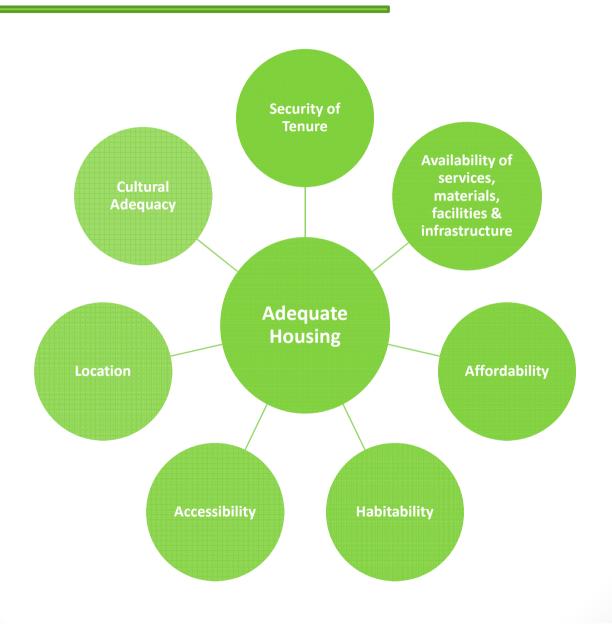




PRESENTATION OVERVIEW

- Introduction
- Housing Scenario in India
- Affordable Housing in India
- Affordable Housing Perception of Real Estate Industry
- Issues and Barriers in Providing Affordable Housing
- Various Affordable Housing Policies
- Climate Change Impact
- Way Forward

COMPONENTS OF ADEQUATE HOUSING...



DEFINITION OF AFFORDABLE HOUSING

Definition of Affordable Housing by MoHUPA (2011)						
Income						
Group	Area	EMI or Rent				
EWS	-Minimum Carpet Area = 269 sq.ft.					
	-Minimum Super Builtup Area = 300 sq.ft.					
LIG	-Maximum Carpet Area = 517 sq.ft.	not exceeding 30%-40%				
	-Minimum Super Builtup Area = 500 sq.ft.	of gross monthly income				
MIG	-Maximum Carpet Area = 861 sq.ft.	of buyer				
	-Super Builtup Area = 600-1200 sq.ft.					

Source: Report of the Task Force on Affordable Housing

Definition of Affordable Housing by KPMG (2011)								
Income		Size of Dwelling						
Group	Income Level	Unit	Affordability					
EWS	Less than Rs. 1.5 lakhs/annum	Upto 300 sq.ft.	EMI to monthly income: 30% to 40%					
LIG	Rs. 1.5-3.0 Lakhs/annum	300-600 sq.ft.	House price to					
MIG	Rs. 3-10 Lakhs/annum	600-1200 sq.ft.	annual income ratio: Less than 5.1					

Source : Bridging the Urban Housing Shortage in India – KPMG 2011

Definition of Affordable Housing by JLL (2012)							
	Minimum Volume of Habitation	Provision of Basic Amenities	Cost of the House	Location of the House			
EWS	-Minimum Carpet Area = 250 sq.ft.	-sanitation, adequate water supply and Power.	-Reasonable maintenance costs -cost of the house such that EMI does not exceed 30–40% of gross monthly income of the buyer.	- located within 20 km of a major workplace hub (could be suburban hubs as well) in the city.			
	-Minimum Internal Volume = 2250 cu.ft.	-provision of community spaces and amenities					
LIG	-Carpet Area = 300-600 sq.ft.	such as parks, schools and					
	-Internal Volume = 2700-5400 cu.ft.	healthcare facilities, either within the project					
MIG	-Carpet Area = 600-1200 sq.ft.	or in the neighbourhood, depending upon the size and location of the housing project.		- adequately connected to major public transit hubs.			
	-Minimum Internal Volume = 5400- 10800 cu.ft						

Source : Affordable Housing in India – JLL 2012

AFFORDABILITY

Affordability is dependent on five broad

parameters viz.

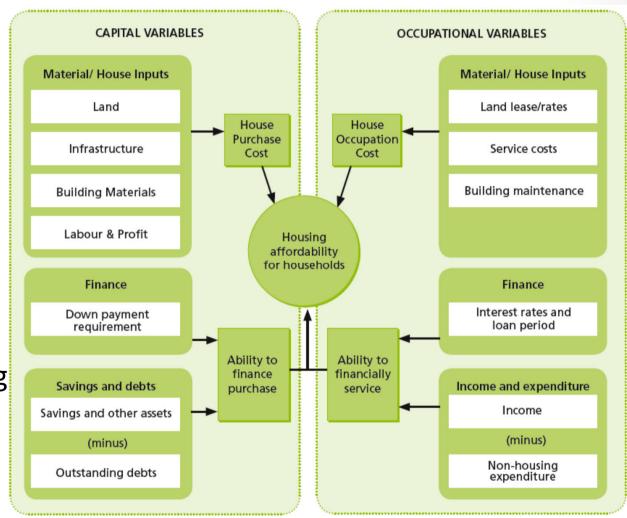


- Affordability is applicable to all income groups.
- Affordability of a person increases with increase in the monthly income.
- It has been observed that for an EMI of Rs. 3,000 to Rs.10,000, the capital cost of the house varies from Rs. 3,00,000 to Rs. 20,00,000.
- For a large number of urban households, this could be termed as the 'affordability range'.

AFFORDABILITY

Affordability is principally set by two main variables:

- 1. Capital variables (house purchase costs)
- 2. Occupation
 variables
 (costs
 associated
 with keeping
 the house).

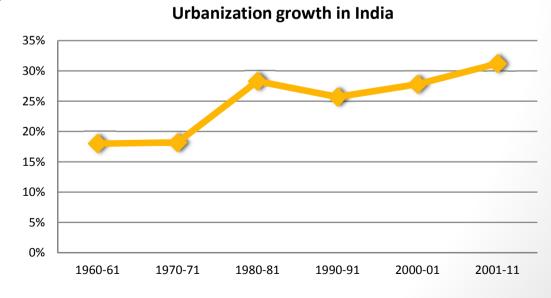


HOUSING SCENARIO IN INDIA

URBANIZATION AND HOUSING SHORTAGE

As per 2011 census

- India's population is 1,210.98 million.
- Urban Population is 377.10 million (31.16%).
- The urban population growth during 2001-2011 was 2.8%.
- Level of urbanization during 2001-11 has increased from 27.81% to 31.16%.
- This growing concentration of people in urban areas has led to problems of land shortage and housing shortfall.

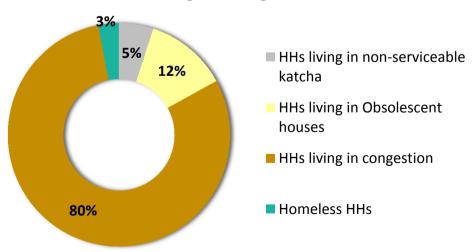


HOUSING SHORTAGE IN URBAN INDIA

According to Technical Committee report submitted to the Ministry of Housing and Urban Poverty Alleviation (MHUPA):

- India's urban housing shortage is estimated at nearly 18.78 million households in 2012.
- Besides those living in obsolescent houses, 80 percent of these households are living in congested houses and are in requirement of new houses.

Urban Housing Shortage 2012

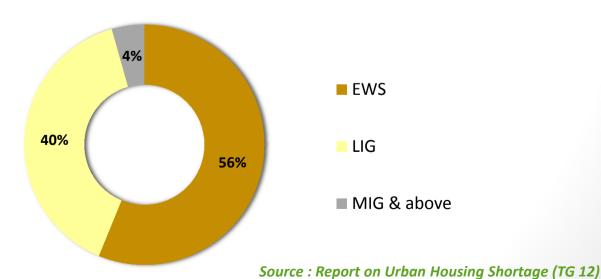


Source: Report on Urban Housing Shortage (TG 12)

DISTRIBUTION OF HOUSING SHORTAGE AMONG ECONOMIC CATEGORY

- Urban housing shortage is prominent across the economically weaker sections (EWS) and low income groups (LIG) which together constitute over *95 percent* of the total housing shortage.
- The shortage amongst the middle income groups (MIG) and above is estimated at 4.38 percent.

Urban Housing Shortage 2012



POPULATION STRUCTURE, AFFORDABILITY AND MARKET SUPPLY PYRAMID

Population Structure

Affordability

Market Supply

Small number of Well to do population

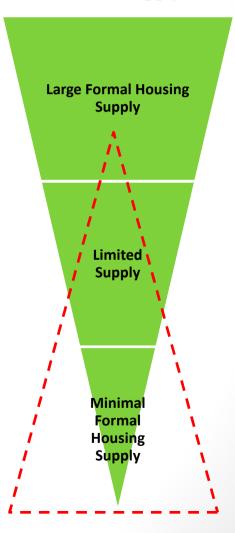
High affordability

Middle Income Population

Mid-range Affordability

Large number of Low income population

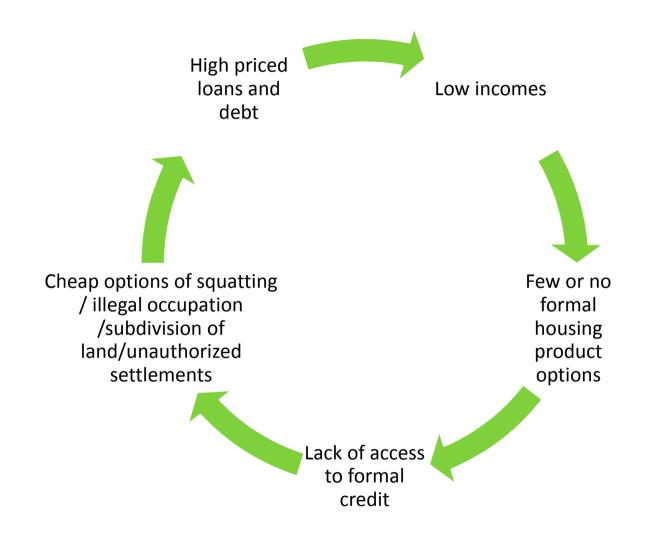
Low Affordabil ity



STATE OF HOUSING PROVISION IN INDIA

- Little low income housing provision or affordable housing by state agencies.
- State township policies catering mostly to high income groups.
- Public Private Partnerships catering mostly to high income groups / expensive housing.
- State encouragement to real estate developers to provide for the high income groups.

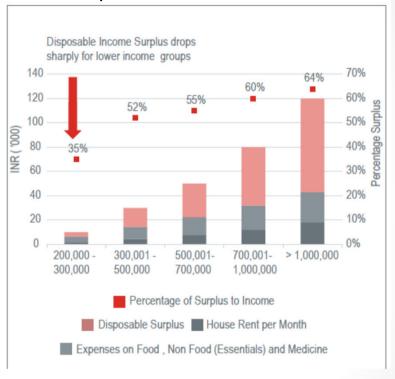
VICIOUS CYCLE OF LOW INCOME HOUSING



INCOME LEVEL AND HOUSING AFFORDABILITY

- The relationship between income and affordability for various income groups follows a nonlinear trend.
- Disposable surplus income, which is often used to purchase a new house, drops significantly at lowerincome levels and is higher at higher-income levels.

Disposable Surplus for House Purchase in Various Income Groups



Source: Jones Lang LaSalle Research

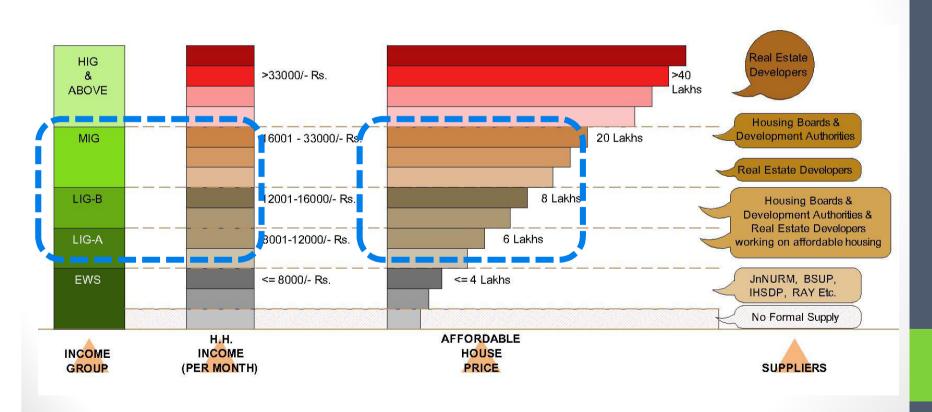
 Thus, people of higher-income levels can better afford to purchase new houses, owing to higher disposable surplus incomes.

AFFORDABLE HOUSING PERCEPTION OF REAL ESTATE INDUSTRY

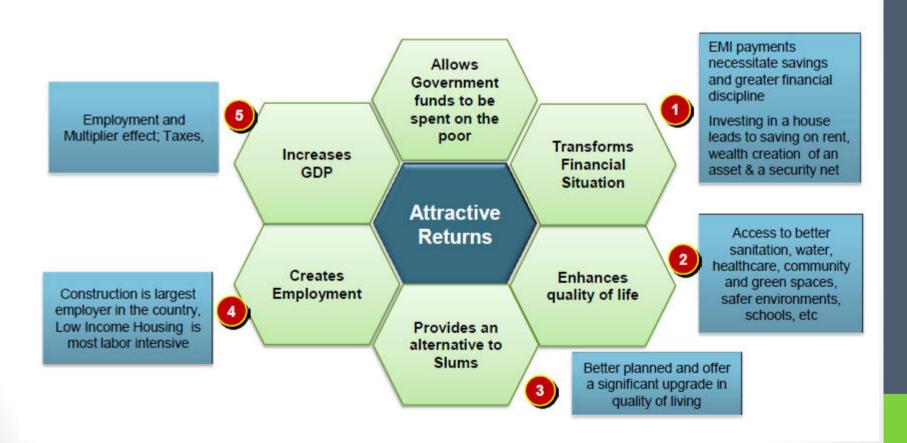
- Although the purchasing capacity is lower for lower-income groups, there exists a large demand for housing amongst this segment.
- However, the present formal market is characterized by an undersupply of residential products catering to this income segment.
- There exists a tremendous potential for housing in which residential units are priced at less than Rs. 20 Lakhs.

AFFORDABLE HOUSING PERCEPTION OF REAL ESTATE INDUSTRY

 Housing supply by different Housing suppliers to the different income groups in India.



Affordable Housing - A Unique Opportunity for Social Change and Attractive Returns



Source: Building Houses Financing Homes – Monitor Group 2010

Facilitating Affordable Housing in Urban India Developing a Broader Ecosystem

Increased Access to Housing Finance

Strengthening Supply of Housing Creating Customer Education Modules



Addressing Unintended Consequences Increased Sustainability
Elements in LIH

Effective Architectural designs and layouts

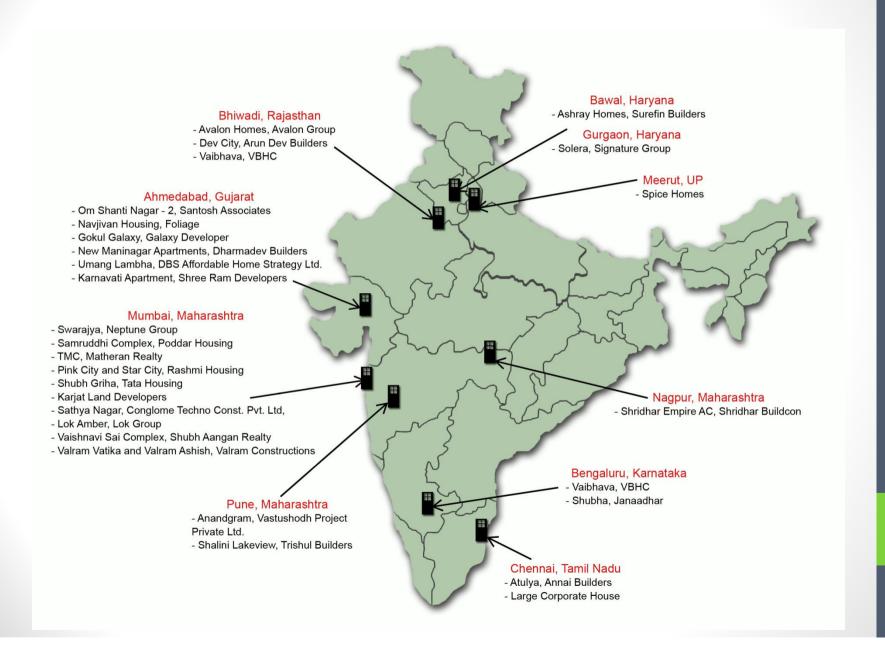
Supporting Government

Source: Building Houses Financing Homes – Monitor Group 2010

Supply of Affordable Housing by Real Estate Developers

 More than 25 developers in urban areas across India building (or about to build) housing units in the Rs. 4 lakh to Rs. 20 lakh price range.

Affordable Housing Developers across India



Increased Access To Affordable Housing Loans

with Along new Housing Finance companies, and increasing number of established financial services institutions and banks are entering/ exploring low income housing finance Market.

NHB has been proactively supporting Housing Finance companies that are catering to low income housing customers.

2009-2010 2010 - 2011 Pre 2008 - Aptus - DHFI - DHFI - Mahindra finance - GRUH Finance - GRUH Finance - Muthoot Ltd. Ltd. - Micro Housing - Aptus **Finance** - Mahindra - DHFL finance - GRUH Finance Ltd. - Muthoot - HDFC - Micro Housing - ICICI Finance - AXIS - Central Bank of India - SREI - MAGMA

Source: Building Houses Financing Homes – Monitor Group

ISSUES AND BARRIERS IN PROVISION OF AFFORDABLE HOUSING

ISSUES – In The Development of Affordable Housing

 Developing affordable housing in Indian cities faces significant challenges due to several economic, regulatory and urban issues.



Limited Access to Home Finance for Low-Income Groups **Regulatory Constraints** Lengthy Approval and Land Use Conversion **Process** Lack of Clarity in Building Bylaws and Guidelines

POLICY LEVEL BARRIERS – In Providing Affordable Housing

• **Profit seeking private industry players** find it more lucrative to operate in the higher end of the market than the middle or lower end of the market.

- Few statutory provisions making it mandatory for private players to compulsorily provide affordable housing.
- Inadequate OR No incentives to make it attractive for private players to enter this segment.

FINANCIAL BARRIERS – In Providing Affordable Housing

- Barriers to entry for informal sector
- High cost of capital
- Leveraging capital by developers
- Inability of commercial banks/ HFIs to lend to the low income segment
- Unaffordable EMIs

TECHNICAL BARRIERS – In Providing Affordable Housing

- High land cost.
- Inadequate availability of land.
- Land litigation.
- Restrictive town planning norms viz. zoning,
 FAR/FSI, density, height restrictions, etc.
- Materials and technology for keeping costs to a minimum.
- Infrastructure issues.

VARIOUS AFFORDABLE HOUSING POLICIES

MODEL STATE AFFORDABLE HOUSING POLICY BY MoHUPA (2013)

- The aim of this policy is to create an enabling environment for providing "affordable housing for all" with special emphasis on EWS and LIG and other vulnerable sections of society such as SC/ST, Backward Classes, Minorities and senior citizens, physically challenged persons in the State and to ensure that no individual is left shelter less.
- The Policy further aims to promote Public Private People Participation (PPPP) for addressing the shortage of adequate and affordable housing.

Source: Model State Affordable Housing Policy for Urban Areas (Draft Report by MoHUPA)

CENTRAL GOVERNMENT INTERVENTION

- Central Government support through National Policies,
 Programmes and Schemes and act as a facilitator in the creation of affordable housing stock.
- Provide for capital grants support to Affordable Housing projects.
- MoHUPA from time to time will provide inputs to the Ministry of Finance for providing fiscal and financial incentives to this segment.
- Strive to accord industry status to the real estate segment.
- Facilitate greater flow of capital through external sources like the External Commercial Borrowings and Foreign Direct Investment.

 Source: Model State Affordable Housing Policy for Urban Areas (Draft Report by MOHUPA)

STATE GOVERNMENT INTERVENTION

LAND

- At least 15% of the total project (FAR) or 35% of the total number of DUs, whichever is higher, will be reserved for EWS category.
- Provide land for affordable housing projects.
- Friendly land acquisition policy created for undertaking affordable housing projects.
- Innovative ways for capturing the value of land.
- Infrastructure services to existing housing colonies where there is absence of such facilities will be ensured.

FINANCE

- The State shall provide appropriate targeted subsidies for creation of affordable housing stock on both supply and demand side.
- Encourage private developers and ULBs/DAs/HBs etc. to undertake affordable housing projects under schemes various being implemented bv the National Government.
- The policy seeks to promote financial incentives to private developers.
- The States will consider concessions and or exemptions from State charges/taxes for Affordable Housing Projects for EWS/LIG.

LEGAL AND REGULATORY REFORMS

- The State shall prepare a 10
 year affordable housing
 action plan to ensure
 housing is provided for the
 immediate near future.
- Fast track the building permits, through Single Window Clearance, Issue simplified set of regulations and procedures for issue of such permits, Develop an online/e-enabled and transparent Single Window Approval System.
- Faster conversion of agricultural land to nonagricultural land if in compliance with the Master Plan.
- The State will revise its Planning and Development norms for optimal use of resources.

RAJASTHAN AFFORDABLE HOUSING POLICY

HIGHLIGHTS OF POLICY INITIATIVES

- Role of Public sector Model no.1
 RHB Schemes 50% EWS,LIG and 20% MIG A
 Urban Local Bodies Schemes 25% EWS,LIG and 20% MIG A
- Role of Private Sector 15% of Plots in any township for EWS,LIG Group Housing Project – 5% of FAR for EWS,LIG
- Public Private Partnership Model no.2,3,4 and 5

Source: Rajasthan Affordable Housing Policy (2013)

Model No-2: Private developers on Private land : Buy back by the Govt.

- Selected developers to take up construction of EWS/LIG/MIG-A flats (G+2/G+3 format) on minimum 40% of the total land for EWS/LIG & 12% for MIG A.
- Built up EWS/LIG/MIG-A flats to be handed over to the nodal agency (Rajasthan Avas Vikas & Infrastructure Limited) at predetermined prices.
- Developer free to construct MIG-B/HIG flats on remaining land.

Model No-3: Private developers on land under acquisition: Buy back by the Govt.

- ULBs to identify private lands for acquisition and set apart for construction of houses to the developer cost of acquisition +10% shall be payable by the selected developer
- Land owners whose lands already under acquisition for residential schemes of DAs/ UITs /ULBs. may be used for creation of stock under Affordable Housing Policy like in Model No.2.
- 52% of the land will be used for EWS/LIG/MIG-A as per Model No: 2 of the policy
- Remaining 48% land allowed to be used for HIG and other category of flats

Model No-4: Private developers on Government land: Free land by Govt. in lieu of constructed houses (For Rental housing or outright sale basis)

- The ULBs to offer Government Land for construction of EWS/LIG flats through open bidding process.
- Land is offered free of cost but the bidding parameter is the maximum number of flats offered by the bidder
- The developer offering the maximum Flats is awarded the project.

Model No-5: Slum Housing: on PPP Model

- To encourage PPP Model for Slum Redevelopment
- Slum Development Policy issued by the State Government on 22.08.2012...
- Slums situated on Govt. land as well as on private lands can be taken up for Redevelopment
- Several incentives FAR 4.0, Commercial 10%, High rise permitted on developers segment

INCENTIVES TO THE DEVELOPERS

- FAR Double Of The Permissible FAR,
- Facility Of TDR As Per TDR Policy
- Complete waiver of -
 - 1.EDC
 - 2.Building Plan Approval Fees,
 - **3.Conversion Charges**
- Commercial Use Upto 10% Of Plot Area
- Fast track approval of the project
- Buy back of the flats by the nodal agency of the state govt. at pre-determined price i.e rs 750 /* per sq ft on super built up area for EWS/LIG & Rs 1000/- per sq ft for MIG-A

(*Price revised to Rs 850 per sq ft looking to extra ordinary rise in construction cost .)

Source: Rajasthan Affordable Housing Policy (2013)

HARYANA AFFORDABLE HOUSING POLICY

AIM OF THE POLICY

- The development of 'Mass Housing Projects' takes place which are 'Affordable' for general public by relaxing the norms pertaining to density, FAR, siting norms etc.;
- 'Stringent Allotment Parameters' are prescribed so that the benefits get passed on the intended beneficiaries through a transparent mechanism;
- Projects get executed at a fast pace so that the benefits are passed on to the general public without much delay.

All applications that are complete in all respects and are received in a specific quarter (JAN-MAR; APR-JUN; JUL-SEP; OCT-DEC) after this policy comes into effect shall be examined on the basis of certain criteria viz:

S. No.	Criteria	Corresponding weightage		
1	Completion of Development works in the sector (Partcompletion by licencees or Possession offered by HUDA)	75% of the sector Developed	50% of the sector Developed	Less than 50% of the Sector Developed
2	Location of site on a ROAD of at least 18 meter width.	Road Constructed & Operational	Land for Road Acquired, but yet to be constructed	Land for Road Yet to be acquired
3	Functional Water Supply and Sewerage at site from which services can be derived.	Both services Functional	One service functional	None functional
4	Any other project considered/ applied in the sector before the present application.	No	One additional application	More than one addl appln

Based on the above, Projects are approved.

- The projects under this policy shall be allowed only in the residential zone of the notified Development Plans of various towns/cities of the State.
- The maximum area for which such projects can be allowed in a Development

Plan shall be governed by the following criteria:

S. No.	Development Plan	Maximum aggregated area (acres) of Projects allowed in the urbanisable limit of a specific Development Plan
1	Gurgaon, Faridabad, Panchkula including Panchkula Extn, Pinjore Kalka	300
2	Sonipat, Panipat, Karnal, Dharuhera, Bahadurgarh & Sohna	150
3	Rest of the Development Plans	75

Minimum and maximum area for such project: The minimum and maximum area for such projects shall be 5 acres and 15 acres respectively irrespective of the Development Plan where such project is proposed.

AFOORDABLE HOUSING PROJECT IN HARYANA





Source: Times of India (19th Nov. 2014)

CLIMATE CHANGE

CLIMATE CHANGE IMPACT

- Climate change causes vulnerability of human settlements which is related to extreme weather events and such gradual changes in the climate exceed the adaptive capacity of human systems.
- Climate change adds to the existing stress on the sustainability of human settlements and society.
- Non climate sources of change like rapid urbanization are often the main source of stress.
- It has also led to deterioration in the quality of city environment. In several cities, the problems of traffic congestion, pollution, poverty, slums, crime and social unrest are assuming alarming proportions.

- Climate change is likely to *exacerbate the existing stresses* that these settlements already face.
- It may also impact measures that are being undertaken for sustainable development of Urban areas.
- Slum dwellers often lack secure tenure, proper shelter, water, sanitation, electricity and other services. Most have no insurance. Climate change may add to their problems.

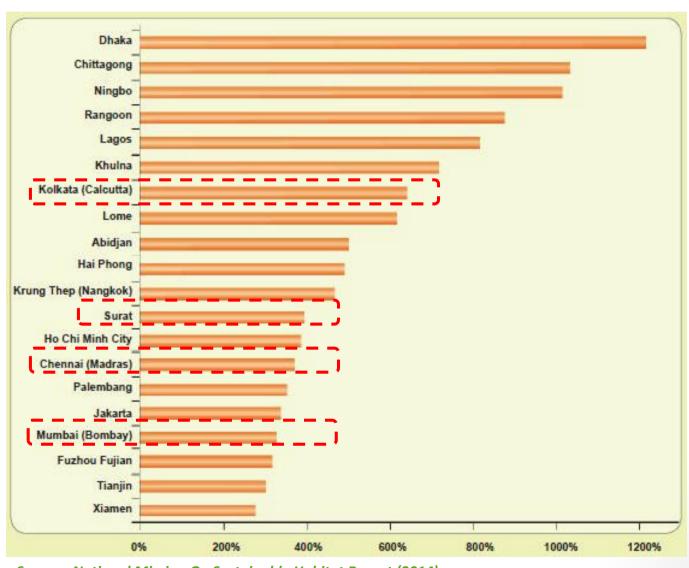
Dealing with climate change broadly requires two sets of actions.

- 1. Relates to Mitigation and
- 2. Relates to Adaptation.

Top 10 Countries by Population Currently Exposed and Vulnerable to Climate

Number of Cities	Exposed Population (000s)	Country
15	8,154	China
17	6,538	United States of America
6	5,412	India
6	3,683	Japan
2	2,725	Vietnam
2	1,591	Netherlands
3	1,540	Bangladesh
1	1,330	Egypt
1	907	Thailand
4	700	Indonesia

Top 20 Cities by Population Currently Exposed and Vulnerable to Climate



ENERGY EFFICIENT URBAN AREAS

- Low rise and higher density is a way to improve the overall energy efficiency of urban areas.
- General urban consolidation and more intensive mixed use of local activity centers close to public transport nodes provide opportunities to lower carbon emissions.
- The planning of housing areas can significantly affect living comfort during heat waves. Innovative cooling systems contribute to limitation of emissions.
- Planners should take into account specific effects of climate change while planning for a region.

- City governments should be made accountable for greenhouse gas emissions caused by poorly planned suburban sprawl.
- Some of the specific strategies could include the following:
- 1. Comprehensive urban renewal implementing master plan proposals/redevelopment plans for special areas.
- 2. Sustainable Urban Design Zonal Development Plan/Area Specific Plan/Layout Plans and implementation and enforcement of Development Control Regulation (DCR) and Building byelaws (BBL) energy efficient design.
- **3.** Increasing tree cover by mandatorily setting aside spaces for plantation at plot level.

- 4. Orientation of buildings site planning.
- 5. Increase use of non-conventional energy sources through incentivisation and building design.
- 6. Better enforcement of Urban Development Plan.

NATIONAL MISSION ON SUSTAINABLE HABITAT

MAIN COMPONENTS OF THE MISSION

 National Sustainable Habitat Standards (Legal/Regulatory Measures).

Principles of sustainable
 Habitats to be incorporated in City Development Plans.

Complimentary Actions.

Capacity Building Measures.

Research and Development.



Conclusion

- There is an urgent need to address various
 issues related to affordable housing for
 promoting Real estate developer participation.
- This is a great opportunity for introducing new technologies for speedy and affordable construction.
- This is also an opportunity to introduce green materials and construction technologies.

THANK YOU..!!

Please send your comments and suggestions to drpsnrao@hotmail.com