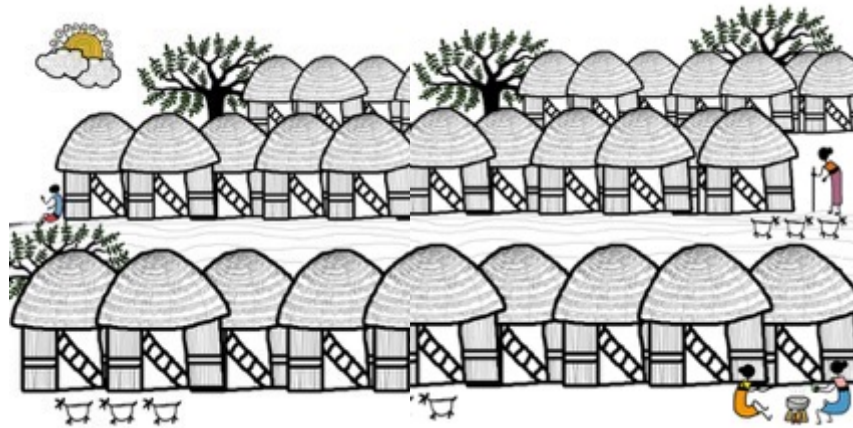


# A step towards Home

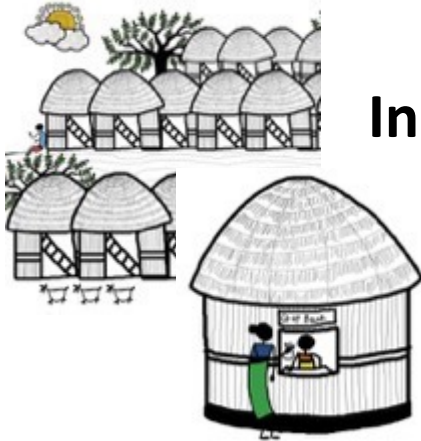
## Kashtakari Panchayat



# Issues



# Initiatives



# Ideas



...with respect to housing for the poor





# Issue 1 : Topography of Vastis



**Narrow Lanes: low  
access , high risk**





**Dense, complex, unplanned structures**







## A Typical Vasti street

balconies, overhangs reduce natural light



Unsteady access to upper floors....



play area for kids....





**Overcrowded  
functional spaces  
overlap each other**

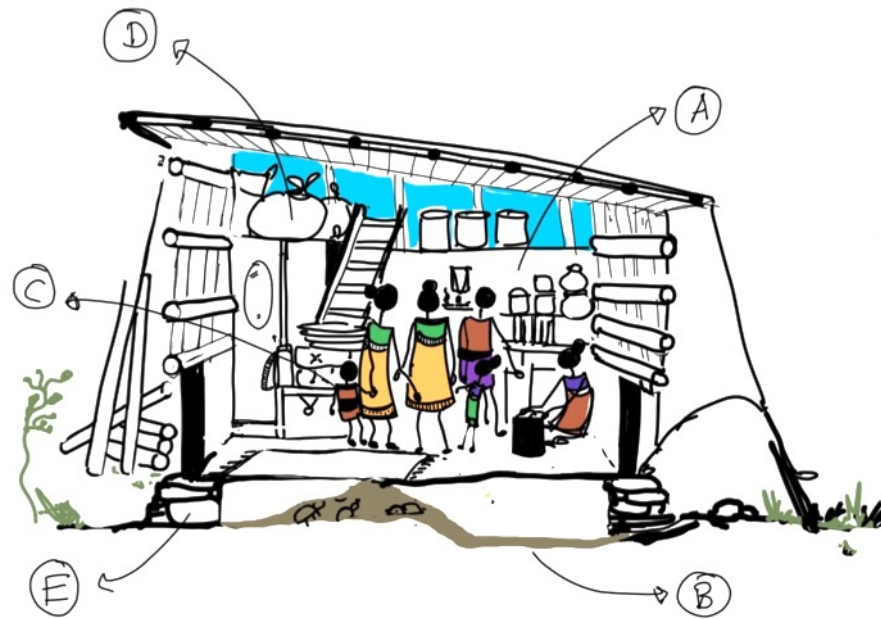




High functionality pressure on public spaces



## Issue 2 : Design lacuna in individual houses





**Energy intensive  
usage - artificial  
light in daytime**





**Over Crowded entry –  
lack of functional  
hierarchy in spatial  
usage**

## Daylight secondary to storage spaces







**Inappropriately sized  
and placed  
furniture-  
multifunctional use**



**Poorly designed  
stairways -  
potential accident  
spots due to  
narrow landings  
and no railings**





**Weak structural design  
and application -  
potential building  
failures**



**No setback from  
overhead electrical  
cables**





**Main Sewage pipe abut building line – risk of leakage, threat to foundation**





**Unplastered external  
walls, no overhangs –  
unprotected building  
surface**





**Poor construction quality  
– leakage, dampness,  
unhygienic interior  
living environment**

# Issue 3 : Exponential increase in Construction and Demolition Waste







**Several Marginal  
leftovers – overall  
high wastage**





**Reusable, good quality bricks from demolition sites increase pressure on landfills**





Seasoned, old, solid wood junked after single use



**Sections of left over  
drain pipes from  
interior  
renovation  
projects**



**Dead stock , reject and broken ceramic, vitrified, stone tiles  
diverted to landfills**



# Issue 4 : Inequitable Distribution of Talent and Resources



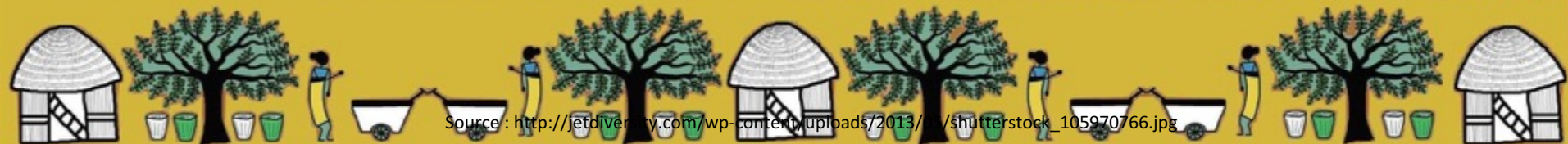


**CITIES HAVING MORE THAN 500 ARCHITECTS (AS ON 03.09.2017)**

S.No.	City Name	Number of Architects
1	Mumbai	6197
2	New Delhi	5376
3	Pune	3983
4	Bangalore	3401
5	Chennai	3196
6	Hyderabad	1974
7	Nagpur	1371
8	Thane	1305
9	Delhi	1256
10	Kolkata	1193
11	Gurgaon	1031
12	Lucknow	952
13	Jaipur	922
14	Navi Mumbai	878
15	Nashik	846
16	Anantnag	756
17	Ghaziabad	656
18	Vadodara	656
19	Surat	625
20	Kolhapur	584
21	Chandigarh	583
22	Indore	522
<b>Total:</b>		<b>38263</b>

Source : <https://www.coa.gov.in/contprintcont.php?lid=45&lang=1&level=1&sublinkid=32>

## Many architects; not enough engagement



Source : [http://jetdiver.com/wp-content/uploads/2013/11/shutterstock\\_105970766.jpg](http://jetdiver.com/wp-content/uploads/2013/11/shutterstock_105970766.jpg)



**High end, energy  
intensive options  
provided**





**Creation of large, vacant, under-utilised urban sprawls**

Source : <https://www.pinterest.com/Reflexionimage/uncontrolled-urban-sprawl//>



Source : <http://www.nationwideconstruction.us/wp-content/uploads/2016/07/How-Technology-Is-Changing-The-Construction-Industry.jpg>

## **Skill saturation in high end projects**






Source : <https://www.weforum.org/agenda/2015/11/19-charts-that-explain-indias-economic-challenge/>



**Limited engagement with  
low income communities**

Source : <http://www.transformnutrition.org/nutrition-champions-2016/index.html>

## Initiatives –

Name	Cost	Timeline	
Meera Waghmare	Rs. 25,000	1 month	
Pinky Sonavne	Rs. 85,000	2 months	
Saru Waghmare	Rs. 1,65,000	3 months	







**Meera Gaikwad,  
Indira Vasti  
Family size 4;  
Living Space – 80 sq feet**



Bright colors enliven tiny space





**Maximising utility  
storage – increasing  
usable living area**



**Aesthetic depth – enhances exterior finish**





**“Our house has become the selfie booth of Indira Vasti” – Meera Waghmare**





**Pinky Sonavne, Indira Vasti**  
**Family size-4 members; Living Space - 160 sq feet (G +1) one)**





**Traditional , low  
cost spanning  
techniques**



**Efficient Compact  
kitchen storage  
use of recycled  
material**





**Jack arch slab –  
reducing time and  
cost of  
construction**



**Existing structure  
strengthened  
with arch.  
Ventilation  
through skylight  
for dingy corner**





**Open terrace overlooks natural Green space**





**Recycled Aluminum Windows add light and openness**





**Floor Cut Out  
connects all three  
floors adding  
visual continuity**



**“This is my favourite part of the house” – Manasi Sonavne**





Saru Waghmare, Topkhana Vasti  
Family size - 6; Living Space -190 sq feet (G + 1)





**Collage of reused  
Scrap – grills,  
glass blocks,  
bricks**





**Efficient space allocation –kitchen, bath, living area, staircase cum storage**



Interplay of pastels to enhance 10' x 10' space





**Light weight, low cost, thin ferrocement panels replace conventional thick walls**



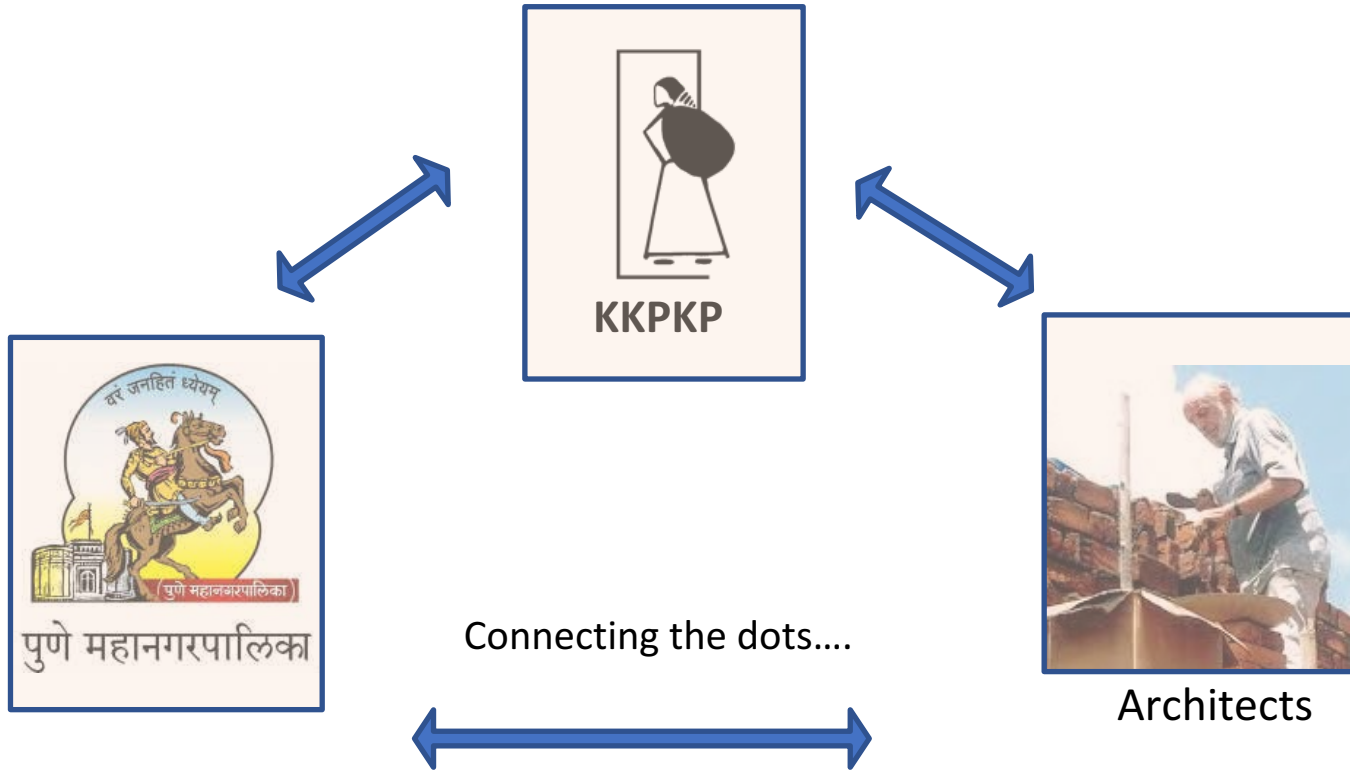


**Second hand sanitary fittings**





# Ideas to explore collectively....





Engage architects / firms in the initiative





**Engage students in Vasti Street Painting**





**Use open, public, municipal space to create C & D sinks**



**You can be a part of this Initiative!**





Source : <https://housing.com/news/qatar-holding-first-fund-invest-affordable-housing-india-post-budget/>



Source : <http://www.freepik.com/free-photos-vectors/rupee>

**Support us financially**



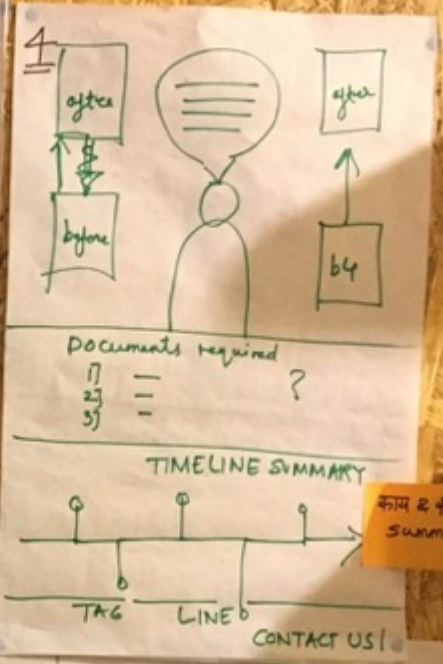
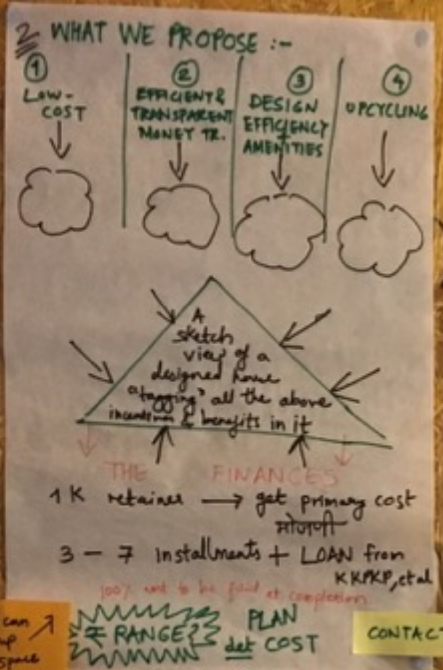
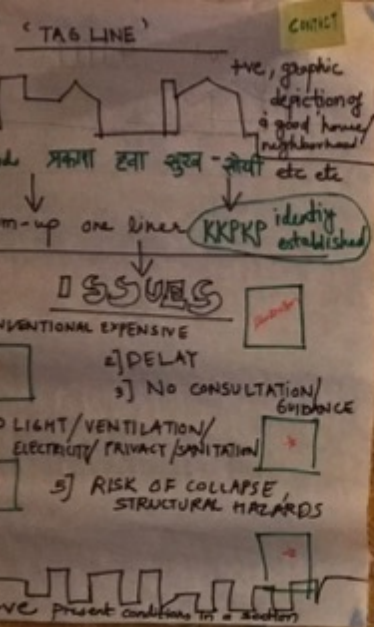


**Donate reusable  
construction and  
demolition waste/  
furniture/ tiles/ paints**



**Offer temporary or permanent space for storage and exchange of reusable c and d waste**





This can take up more space

CONTACT



Bring your design skills -volunteer with us

together let us take...  
a step towards home





